



















CCPP 2009 LAPTOPS






CCPP LAPTOPS	Ultra-Portable Laptop Configuration 5	Business 14.1" Laptop Configuration 6	Business 15.4" Laptop Configuration 7	Performance 17" Laptop Configuration 8	Semi-Rugged Laptop Configuration 9	Rugged Laptop Configuration 10	Convertible - Portable Laptop Configuration 11	Convertible - Desktop Replacement Laptop Configuration 12
								
DELL (EnPointe - 4% Net 30)	\$1,440.21	\$1,207.22	\$1,259.07	\$2,015.46	\$1,591.75	\$3,025.77	\$1,546.39	N/A
FUJITSU (EnPointe)	\$2,200.00	\$1,979.38	\$2,127.84	N/A	N/A	N/A	N/A	\$2,192.78
HP (Impres - 4% Net 30)	\$1,408.88	\$1,198.33	\$1,257.92	\$2,104.71	\$1,199.50	N/A	\$1,517.21	N/A
LENOVO (TIG - 3.5% Net 30)	\$1,239.57	\$1,200.12	\$1,262.58	\$2,080.50	\$1,337.49	\$1,213.74	\$1,603.12	N/A
PANASONIC - A (CDWG)	N/A	N/A	N/A	N/A	\$2,317.70	\$3,541.95	\$3,098.29	N/A
PANASONIC - B (CDWG)	N/A	N/A	N/A	N/A	N/A	\$2,964.51	\$2,949.10	N/A




DELL LAPTOPS (EnPointe 4% Net 30)	Ultra Portable Laptop Configuration 5	Business 14.1" Laptop Configuration 6	Business 15.4" Laptop Configuration 7	Performance 17" Laptop Configuration 8	Semi-Rugged Laptop Configuration 9	Rugged Laptop Configuration 10	Convertible - Portable Laptop Configuration 11
							
	LATITUDE E4200	LATITUDE E6400	LATITUDE E6500	PRECISION M6400	LATITUDE E6400 ATG	LATITUDE E6400 XFR	DELL LATITUDE XT
Weight	Approx 3 lbs as configured	Approx 5 lbs as configured	Approx 6 lbs as configured	Approx 8.7 lbs as configured	Approx 6 lbs as configured MIL-STD 810F on: Dust, Vibration, Humidity, Altitude	Approx 9.1 lbs as configured Fully MIL-STD-810F compliant	Approx 4.5 lbs as configured
Display Size	12.1" WXGA LED	14.1 WXGA+ LED	15.4 WXGA+ LED	17" WUXGA LCD	14", WXGA 750 nit	14.1 WXGA 500 nits + DirectView advanced optics	12.1 WXGA LED Backlit LCD
Processor / Front Side Bus	Intel® Core™ 2 Duo ULV SU9400 (1.40GHz, 3M, 800MHz)	Intel® Core™ 2 Duo T9400 (2.53GHz, 6M, 1.066MHz)	Intel® Core™ 2 Duo T9400 (2.53GHz, 6M, 1.066MHz)	Intel® Core™ 2 Duo T9600 (2.80GHz, 6M, 1.066MHz)	Intel® Core™ 2 Duo T9400 (2.53GHz, 6M, 1.066MHz)	Intel® Core™ 2 Duo T7500 (2.2GHz, 4M, 800MHz)	Intel® Core™ 2 Duo U7700 (1.33GHz, 2M, 533MHz)
BIOS Configuration	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive
Operating System	Windows Vista Business w/NTFS & downgrade option to XP Pro	Windows Vista Business w/NTFS & downgrade option to XP Pro	Windows Vista Business w/NTFS & downgrade option to XP Pro	Windows Vista Business w/NTFS & downgrade option to XP Pro	Windows Vista Business w/NTFS & downgrade option to XP Pro	Windows Vista Business w/NTFS & downgrade option to XP Pro	Windows Vista Business w/NTFS & downgrade option to XP Pro
RAM Standard	3GB DDR2 SDRAM, 2 DIMMs	4GB DDR2 SDRAM, 2 DIMMs	4GB DDR2 SDRAM, 2 DIMMs	4GB DDR2 SDRAM, 2 DIMMs	4GB DDR2 SDRAM, 2 DIMMs	4GB DDR2 SDRAM, 2 DIMMs	3GB DDR2 SDRAM, 2 DIMMs
DIMM Slots	2	2	2	4	2	2	2
Hard Disk / Controller	64GB solidstate	160GB 7200rpm, free fall sensor	160GB 7200rpm with Free Fall	160GB Hard Drive, 7200RPM, Free Fall Sensor	80GB Shock Mounted Hard Drive, 7200RPM	80GB Shock Mounted Hard Drive, 5400RPM	80GB 5400RPM No Free Fall Sensor
Removable Storage	Not included/ available as option	8X DVD+/-RW, Roxio, Cyberlink PowerDVD™	8X DVD+/-RW, Roxio, Cyberlink PowerDVD™	8X DVD+/-RW, Roxio, Cyberlink PowerDVD™	8X DVD+/-RW, Roxio, Cyberlink PowerDVD™	8X DVD+/-RW, Roxio, Cyberlink PowerDVD™	not included/ available as an option
PC Card Slot	No PC Card, Instead ExpressCard 34, SD, MMC	Yes	Yes	No PC Card, ExpressCard 54 w/8-in-1 card reader	Yes	Type I or Type II w/port cover	No PC Card, ExpressCard
Video Graphics	Intel® 4500MHD	Yes: nVidia NV5 160M (256MB)	nVidia 256MB	nVidia FX2700M (512MB)	Intel® 4500MHD	Intel® Graphics Media Accelerator X3100	ATI Xpress 1250
Sound	High Definition Audio	High Definition Audio	High Definition Audio	High Definition Audio	High Definition Audio	High Definition Audio	High Definition Audio
Network Interface	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000 w/port cover	Intel® Gigabit LAN 10/100/1000 w/port cover	Intel® Gigabit LAN 10/100/1000
Wireless Interface	Yes - Intel WiFi Link 5300 802.11 a/g/n Draft	Intel WiFi Link 5300	Intel WiFi Link 5300	Intel WiFi Link 5300	Intel WiFi Link 5300	Intel 4965 a/g/n draft	Dell 1505 802.11 Draft n
Bluetooth Interface	Dell 365 Bluetooth 2.1	Dell 370 Bluetooth	Bluetooth 370	Bluetooth 370	Bluetooth 370	Bluetooth 360	Bluetooth 360
Modem Interface	NO	Optional Internal 56K v.92	Optional Internal Modem	Not available	Optional: Internal Modem	Yes	No
USB 2.0 Connections	2 USB Ports	4 included	4	4	4 included	4	3
Serial Connection (spin, 16550)	No	No	0	0	0	1	0
VGA Out	1	1	1	1	1	1	1
Headphone/Speaker Line-out	1	1	1	1	1	1	1
Integrated Microphone	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Battery	4 Cell	9 Cell	9 Cell	9 cell battery	9 Cell	6 Cell battery	6 Cell battery
AC Adapter	45 Watt	90 Watt	90 Watt	210 Watt	90 Watt	90 Watt	65 Watt
Mouse	Touch pad / single point	Touch pad / Track stick	Yes	Touch pad / Track stick	Touch pad / Track stick. Dust & Spill Resistant	Touch pad / Track stick. Dust & Spill Resistant	Touch pad / Track stick / Pen
Keyboard	87-Key US	87-Key US	Yes	87-Key US (Backlit)	Yes (Backlit)	87-Key US, Dust & Spill Resistant	87-Key US
Cable Lock Slots	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Biometrics	Fingerprint Sensor	not included/available as an option	not included/ available as option	not included/ available as an option	not included/ available as an option	UPEK® Fingerprint Reader	UPEK® Fingerprint Reader
Warranty	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive
Upgrade Options							
Hard Disk / Controller						64GB Solid State	
Display			WUXGA 1900 x 1200				
Mobile Broadband	AT&T built-in broadband, (HSDPA 3.6)	AT&T built-in broadband, (HSDPA 3.6)	AT&T built-in broadband, (HSDPA 3.6)	AT&T built-in broadband, (HSDPA 3.6)	AT&T built-in broadband, (HSDPA 3.6)	no	Yes
Mobile Broadband	Sprint built-in broadband, (EV-DO Rev A)	Sprint built-in broadband, (EV-DO Rev A)	Sprint built-in broadband, (EV-DO Rev A)	Sprint built-in broadband, (EV-DO Rev A)	Sprint built-in broadband, (EV-DO Rev A)	Sprint built-in broadband, (EV-DO Rev A)	Yes
Mobile Broadband	Verizon Wireless built-in broadband, (EV-DO Rev A)	Verizon Wireless built-in broadband, (EV-DO Rev A)	Verizon Wireless built-in broadband, (EV-DO Rev A)	Verizon Wireless built-in broadband, (EV-DO Rev A)	Verizon Wireless built-in broadband, (EV-DO Rev A)	Verizon Wireless built-in broadband, (EV-DO Rev A)	Yes
Biometrics		UPEK® Fingerprint Reader	UPEK® Fingerprint Reader	UPEK® Fingerprint Reader	UPEK® Fingerprint Reader	no	no
Additional Warranty	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)
Accessories							
Battery	6 cell battery	12-Cell High Capacity Battery Slice	12-Cell High Capacity Battery Slice	9 cell battery	12 Cell Slice	6 cell	
Port Replicator	6 cell battery slice	E-Port Plus No RJ11 port	E-Port Plus No RJ11 port	E-Port Plus No RJ11 port	E-Port Plus No RJ11 port	Port Replicator	Media Base with 8X DVD/RW Drive
Docking Station	E-Port Plus No RJ11 port					Docking Station	
Monitor Stand	8X DVD+/-RW (313-6956) Cyberlink Power DVD 8.0 Playback Software WITH Media (420-8667) Roxio Creator Dell Edition,9.0 (420-8010) External E Modular Bay (313-7191)	Flat Panel Display Stand. Requires purchase of E-Port Plus	Flat Panel Display Stand. Requires purchase of E-Port Plus	Flat Panel Display Stand. Requires purchase of E-Port Plus	Flat Panel Display Stand. Requires purchase of E-Port Plus	Monitor Stand	Monitor Stand
Additional Information							
Dimensions (W x D x H)	0.75-1.1 x 11.4-11.7 x 8.0	13.2 x 9.4 x 1.0-1.2	14.1 x 10.1 x 1.08-1.3	15.4 x 22.3 x 1.35-1.5	13.4 x 9.59 x 1.29-1.45	13.9 x 10.2 x 2.6	11.7 x 8.6 x 1
Expected Battery Life (hrs)	With SSD: up to 4.5hrs: 4 cell up to 7.3hrs: 6 cell up to 14.8hrs: 6 cell + slice	up to 9.7hrs: 9 cell up to 19.1hrs: 9 cell + slice	Up to 10.1hrs: 9 cell Up to 19.6hrs: 9 cell + slice	Not available yet	With SSD: Up to 15hrs: 9 cell + slice	Up to 4:35	With SSD: Up to 4.5hrs 6 cell Up to 9.3hrs 6 cell + slice
Recharge Time (hrs)	Under 2hrs per battery	Under 2hrs per battery	Under 2hrs per battery	Under 2hrs per battery	Less than 2hrs per battery	Under 2 hrs	Less than 2hrs per battery
TPM 1.2+	Yes	Yes	Yes	Yes	Yes	Yes	Yes
vPro	optional	Optional	Optional	Optional	Optional	Not available	
FEB 2009 PRICE	\$1,440.21	\$1,207.22	\$1,259.07	\$2,015.46	\$1,591.75	\$3,025.77	\$1,546.39





HP LAPTOPS (Impres - 4% Net 30)	Ultra Portable Laptop Configuration 5	Business 14.1" Laptop Configuration 6	Business 15.4" Laptop Configuration 7	Performance 17" Laptop Configuration 8	Semi-Rugged Laptop Configuration 9	Convertible - Portable Laptop Configuration 11
						
	ELITEBOOK 2530P	ELITEBOOK 6930P	ELITEBOOK 8530P	ELITEBOOK 8730W	ELITEBOOK 6930P	ELITEBOOK 2730P
Weight	Starting from 3.19 lbs. including 3-cell battery	Starting at 4.7 lb including 6-cell battery	Starting at 6.3 lb including 8-cell battery	Starting at 7.5 lb including 8-cell battery	Starting at 5.1 lb with Upgrade Bay optical drive and 6-cell battery Business-rugged: Meets select Mil-Spec-810F subset	Starting from 3.74 lb (1.70 kg) including 6-cell battery
Display Size	12.1 inch diagonal Illumi-Lite, WXGA, anti-glare (1280 x 800)	14.1-inch diagonal WXGA anti-glare (1280 x 800 resolution)	15.4-inch diagonal WXGA anti-glare (1280x800)	17-inch diagonal WXGA (1920x1200)	14.1-inch diagonal Illumi-Lite LED, WXGA WVA (1280 x 800 resolution)	12.1 inch diagonal Illumi-Lite WVA WXGA anti-glare (1280 x 800)
Processor / Front Side Bus	Intel® Core™ 2 Duo ULV SU9300 (1.20GHz, 3M, 800MHz)	Intel® Core™ 2 Duo T9400 (2.53GHz, 6M, 1,066MHz)	Intel® Core™ 2 Duo T9400 (2.53GHz, 6M, 1,066MHz)	Intel® Core™ 2 Duo T9600 (2.80GHz, 8M, 1,066MHz)	Intel® Core™ 2 Duo T9400 (2.53GHz, 6M, 1,066MHz)	Intel® Core™ 2 Duo LV SL9400 (1.86GHz, 6M, 1,066MHz)
BIOS Configuration	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive
Operating System	Genuine Windows Vista® Business with downgrade to Windows XP Professional custom installed	Genuine Windows Vista® Downgrade to Windows XP Professional	Genuine Windows Vista® Business with downgrade to Windows XP Professional custom installed	Genuine Windows Vista® Business with downgrade to Windows XP Professional custom installed	Genuine Windows Vista® Downgrade to Windows XP Professional	Genuine Windows Vista® Business with downgrade to Windows XP Professional custom installed
RAM Standard	3072MB 800 MHz DDR2 SDRAM (2 DIMM)	4096MB 800MHz DDR2 SDRAM (2 DIMM)	4096MB (800-MHz, DDR2, 2DIMM)	4096MB (800-MHz, DDR2, 2DIMM)	4096MB 800MHz DDR2 SDRAM (2 DIMM)	3072MB 800 MHz DDR2 SDRAM (2 DIMM)
DIMM Slots	2	2	2	2	2	2
Hard Disk / Controller	80 GB 1.8" 5400rpm SATA Hard Drive HP DriveGuard Technology	160GB 7200rpm HP DriveGuard Technology	160-GB SATA Hard Drive (7200 RPM) HP DriveGuard Technology	160-GB SATA Hard Drive (7200 RPM)	160GB 7200rpm SATA Hard Drive HP 3D DriveGuard	80 GB 1.8" 5400rpm SATA Hard Drive
Removable Storage	Internal 8X DVD+/-RW SuperMulti DL Drive Roxio Creator Business, Intervideo WinDVD – DVD Player	Internal DVD RW LightScribe UpgradeBay, Optical Drive Roxio Creator Business, Intervideo WinDVD – DVD Player	Internal DVD+/-RW SuperMulti with Double Layer LightScribe Drive, Roxio Creator Business, Intervideo WinDVD-DVD Player	8x DVD+/-RW SuperMulti with Double Layer LightScribe Drive ExpressCard/54 slot	DVD RW LS UB 6930p Optical Drive	not included/ available as an option
PC Card Slot	ExpressCard/54 slot	ExpressCard/54 slot	ExpressCard/54 slot	ExpressCard/54 slot	ExpressCard/54 slot	ExpressCard/54 slot
Video Graphics	Mobile Intel® Graphics Media Accelerator 4500MHD, up to 384 MB of shared memory	ATI Mobility Radeon™ HD 3450 with 256 MB of dedicated video memory	ATI Mobility Radeon HD 3650 (256MB)	NVIDIA Quadro FX 2700M (512MB)	Intel® Graphics Media Accelerator X4500MHD, with up to 384 MB of shared system memory	Mobile Intel® Graphics Media Accelerator 4500MHD, up to 384 MB of shared memory
Sound	High Definition Audio	High Definition Audio	High Definition Audio	High Definition Audio	High Definition Audio	High Definition Audio
Network Interface	Integrated Intel Gigabit Network Connection (10/100/1000 NIC)	Intel Gigabit Network Connection (10/100/1000 NIC)	Intel Gigabit Network Connection (10/100/1000 NIC)	Intel Gigabit Network Connection (10/100/1000 NIC)	Intel Gigabit Network Connection (10/100/1000 NIC)	Integrated Intel Gigabit Network Connection (10/100/1000 NIC)
Wireless Interface	Intel® WiFi Link 5100AGN (802.11a/b/g/draft-n)	Integrated 802.11 a/b/g/draft	Intel 802.11a/b/g/draft n Yes - Integrated	Intel 802.11a/b/g/draft n Yes	Intel WLAN 802.11a/b/g/n	Integrated 802.11 a/b/g/draft-n
Bluetooth Interface	Yes - HP Integrated Module with Bluetooth® Wireless Technology	Yes - HP Integrated Module with Bluetooth® Wireless Technology	Bluetooth® Wireless Technology (factory configurable only)	Yes	Yes - HP Module with Bluetooth® Wireless Technology	HP Integrated Module with Bluetooth® Wireless Technology
Modem Interface	56K V.92 modem	56K V.92 modem	56K v.92 high speed	56K v.92 high speed modem	56K v.92 modem	56K v.92 modem
USB 2.0 Connections	2	3	4	4	3	2
Serial Connection (9pin, 16550)	1	0	0	0	0	0
VGA Out	1	1	1	1	1	1
Headphone/Speaker Line-out	1- Stereo headphone/line out and microphone in integrated microphone	1	1	1	1	1
Integrated Microphone	Yes	Yes	Yes	Yes	Yes	Yes
Battery	6-cell (55 WHr) Lithium-ion battery	6-cell (55 WHr) Li-Ion primary battery	8-cell Lithium-ion available as primary battery only	8-cell (73 WHr) Lithium-ion battery available as primary battery with up/down LED indicators, mute button	6-cell (55 WHr) Li-Ion battery (primary battery standard)	6-cell (44 WHr) high capacity Lithium-ion with fuel gauge LEDs
AC Adapter	65W Smart AC Adapter	90-watt Smart AC adapter	120 watt Smart AC adapter	150 watt Smart AC adapter	External 90-watt Smart AC adapter, 6-foot (1.8 meter) power cord	HP 65W Smart AC Adapter
Mouse	Enhanced dual pointing devices (touchpad and pointstick) with scroll zone	Touchpad with scroll zone Touchpad buttons Volume scroll zone with up/down LED indicators, mute button	Touchpad with scroll zone Touchpad buttons Volume scroll zone with up/down LED indicators, mute button	Touchpad with scroll zone, Touchpad buttons, Volume scroll zone with up/down LED indicators, mute button	Enhanced dual pointing devices (touchpad and pointstick) with scroll zone	Dual pointing (Touchpad with scroll zone and Pointstick, each with two pick buttons) Digital Eraser Pen with tether and clip
Keyboard	Full-sized keyboard	101/102-key with HP DuraKeys and HP DuraFinish Technology	101/102-key	101/102-key with HP DuraKeys and HP DuraFinish Technology	HP DuraKeys 101/102 Key	HP DuraKeys and HP DuraFinish 101/102-key US
Cable Lock Slots	Kensington Lock slot	Kensington Lock Slot	Kensington Lock Slot	Kensington Lock Slot	Kensington Lock Slot	Kensington Lock Slot
Biometrics	HP Fingerprint Sensor	HP Fingerprint Sensor	HP Fingerprint Sensor	HP Fingerprint Sensor	HP Fingerprint Sensor	Fingerprint Reader
Warranty	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive
Upgrade Options						
Hard Disk / Controller	80 GB 1.8" SSD SATA Hard Drive					
Display	12.1 inch diagonal Illumi-Lite (Backlight LED), WXGA, anti-glare No Daylight (Outdoor View) Available	14.1-inch diagonal Illumi-Lite, WXGA WVA No Daylight (Outdoor View) Available	15.4-inch diagonal WSXGA+ anti-glare (1680 x 1050 resolution) Ambient light sensor, Integrated lid switch, HP Privacy Filter support			12.1 inch diagonal Illumi-Lite WVA WXGA anti-glare Outdoor View
Mobile Broadband	HP un2400 EVDO/HSPA Mobile Broadband Module	HP un2400 EVDO/HSPA Mobile Broadband Module	HP un2400 EVDO/HSPA Mobile Broadband Module		HP un2400 EVDO/HSPA Mobile Broadband Module	HP un2400 EVDO/HSPA Mobile Broadband Module
Mobile Broadband	HP un2400 EVDO/HSPA Mobile Broadband Module	HP un2400 EVDO/HSPA Mobile Broadband Module	HP un2400 EVDO/HSPA Mobile Broadband Module		HP un2400 EVDO/HSPA Mobile Broadband Module	HP un2400 EVDO/HSPA Mobile Broadband Module
Mobile Broadband	HP un2400 EVDO/HSPA Mobile Broadband Module	HP un2400 EVDO/HSPA Mobile Broadband Module	HP un2400 EVDO/HSPA Mobile Broadband Module		HP un2400 EVDO/HSPA Mobile Broadband Module	HP un2400 EVDO/HSPA Mobile Broadband Module
Additional Warranty	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)
Accessories						
Battery	6-cell (55 WHr) Lithium-ion battery			HP 12-cell Ultra-Capacity Battery	HP 12-cell Ultra-Capacity Battery	HP 2700 Ultra-Slim 6-cell Battery
Battery	9-cell (83 WHr) Lithium-ion battery					
Port Replicator		HP Basic Docking Station: Serial, Parallel, PS/2, 4 USB, VGA, DVI-D, audio, RJ-45, RJ-11	HP Basic Docking Station: Serial, Parallel, PS/2, 4 USB, VGA, DVI-D, audio, RJ-45, RJ-11	HP Basic Docking Station: Serial, Parallel, PS/2, 4 USB, VGA, DVI-D, audio, RJ-45, RJ-11	HP Basic Docking Station: Serial, Parallel, PS/2, 4 USB, VGA, DVI-D, audio, RJ-45, RJ-11	HP Tablet Docking Station: 0 Serial, 0 Parallel, 0 PS/2, 4 USB, 1 VGA, 0 DVI, 0 RJ-45, 0 RJ-11
Docking Station	HP 2400/2500 Ultra-Light Docking Station: No Serial, No Parallel, No PS/2, 4USB, 1 VGA, No DVI, 1 Audio In, 1 Audio Out, 1 RJ-45, No RJ-11, S-Video-out jack, Monitor stand port, Integrated security cable slot, Docking connector for battery charging	HP Advanced Docking Station: Serial, Parallel, PS/2, 6 USB, VGA, DVI-D, audio, RJ-45, RJ-11, Multi-bay	HP Advanced Docking Station: Serial, Parallel, PS/2, 6 USB, VGA, DVI-D, audio, RJ-45, RJ-11, Multi-bay	HP Advanced Docking Station: Serial, Parallel, PS/2, 6 USB, VGA, DVI-D, audio, RJ-45, RJ-11, Multi-bay	HP Advanced Docking Station: Serial, Parallel, PS/2, 6 USB, VGA, DVI-D, audio, RJ-45, RJ-11, Multi-bay	
Removable Storage						External HP External MultiBay II and HP MultiBay II DL DVD+/-RW Combo Drive (Use with MultiBay II bay/cradle)
Monitor Stand	HP Adjustable Notebook Stand	HP Standard Monitor Stand	HP Adjustable Notebook Stand	HP Adjustable Notebook Stand	HP Monitor Stand	
Additional Information						
Dimensions (W x D x H)	11.11 x 8.44 x 0.99	13.03 x 9.57 x 1.23	14.0 x 10.4 x 1.1	15.5 x 11.1 x 1.3	13.03 x 9.57 x 1.23	11.42 x 8.35 x 1.11
Expected Battery Life (hrs)	3-cell Primary Battery Up to 4 hours and 30 minutes 6-cell Primary Battery Up to 8 hours and 15 minutes 9-cell Primary Battery Up to 12 hours and 45 minutes	6 hours and 15 Mins	Primary battery up to 4 hours and 45 minutes, Primary battery and optional HP Extended Life Battery Up to 8 hours and 30 minutes, Primary battery and optional HP Ultra-Capacity Battery Up to 10 hours and 45 minutes	Up to 4 hours and 15 minutes	Up to 6 hours and 15 minutes	Up to 6 hours and 15 minutes
Recharge Time (hrs)	HP Fast Charge recharges your battery up to 90% within 90 minutes when the system is off. Fast Charge Technology does not apply to 9 cell primary batteries	HP Fast Charge recharges your battery up to 90% within 90 minutes when the system is off. HP Fast Charge does not apply to 12-cell Ultra-Capacity batteries	HP Fast Charge recharges your battery up to 90% within 90 minutes when the system is off. HP Fast Charge does not apply to 12-cell Ultra-Capacity batteries	HP Fast Charge recharges your battery up to 90% within 90 minutes when the system is off. HP Fast Charge does not apply to 12-cell Ultra-Capacity batteries	HP Fast Charge technology recharges your battery up to 90% within 90 minutes when the system is off	HP Fast Charge recharges your battery up to 90% within 90 minutes when the system is off. Fast Charge does not apply to the optional HP 2700 Ultra-Slim Battery
TPM 1.2+	Yes	Yes	Yes	Yes	Yes	Yes
vPro	Yes	Yes	Yes	Yes	Yes	Yes
FEB 2009 PRICE	\$1,408.88	\$1,198.33	\$1,257.92	\$2,104.71	\$1,199.50	\$1,517.21





LENOVO LAPTOPS (TIG - 3.5% Net 30)	Ultra Portable Laptop Configuration 5	Business 14.1" Laptop Configuration 6	Business 15.4" Laptop Configuration 7	Performance 17" Laptop Configuration 8	Semi-Rugged Laptop Configuration 9	Rugged Laptop Configuration 10	Convertible - Portable Laptop Configuration 11
							
	LENOVO THINKBOOK X200	LENOVO THINKBOOK T400	LENOVO THINKBOOK T500	LENOVO THINKBOOK W700	LENOVO THINKBOOK T400	LENOVO THINKBOOK T400	LENOVO THINKBOOK X200
Weight	3.26Lbs	5.6 Lbs	6.4 Lbs	8.4Lbs	5.6 Lbs	5.6 Lbs	3.88Lb
Display Size	12.1" WXGA (1280x800)	14.1" WXGA+ TFT, w/ LED Backlight	15.4" WSXGA+ TFT, w/ CCF Backlight	17.0" WUXGA(1920x1200) CCF Backlight	14.1" WXGA TFT LED High Nit 680 Outdoordisplay w/anti-glare	14.1" WXGA TFT, w/ CCF Backlight (1280x800)	12.1" WideView MultiTouch + MultiView LED backlit WXGA panel
Processor / Front Side Bus	Intel® Core™ 2 Duo P8400 (2.26GHz, 3M, 1066MHz)	Intel® Core™ 2 Duo T9400 (2.53GHz, 6M, 1.066MHz)	Intel® Core™ 2 Duo T9400 (2.53GHz, 6M, 1.066MHz)	Intel® Core™ 2 Duo T9600 (2.80GHz, 6M, 1.066MHz)	Intel® Core™ 2 Duo T9400 (2.53GHz, 6M, 1.066MHz)	Intel® Core™ 2 Duo P8600 (2.40GHz, 3M, 1066MHz)	Intel® Core™ 2 Duo SL9400 (1.86GHz, 6M, 1.066MHz)
BIOS Configuration	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Included	Boot to Hard Disk Drive
Operating System	Genuine Windows Vista Business Down Grade to Genuine Windows XP Professional.	Genuine Windows Vista Business Down Grade to Genuine Windows XP Professional.	Genuine Windows Vista Business Down Grade to Genuine Windows XP Professional. All Models will be shipped this way unless specified otherwise on PO from LA County	Genuine Windows Vista Business Down Grade to Genuine Windows XP Professional.	Genuine Windows Vista Business Down Grade to Genuine Windows XP Professional.	Genuine Windows Vista Business Down Grade to Genuine Windows XP Professional.	Genuine Windows Vista Business Down Grade to Genuine Windows XP Professional.
RAM Standard	3 GB PC3-8500 DDR3 SDRAM 1067MHz SODIMM Memory (2 DIMM)	4 GB PC3-8500 DDR3 SDRAM 1067MHz SODIMM Memory (2 DIMM)	4 GB PC3-8500 DDR3 SDRAM 1067MHz SODIMM Memory (2 DIMM)	4 GB PC3-8500 DDR3 SDRAM 1067MHz SODIMM Memory (2 DIMM)	4 GB PC3-8500 DDR3 SDRAM 1067MHz SODIMM Memory (2 DIMM)	4 GB PC3-8500 DDR3 SDRAM 1067MHz SODIMM Memory (2 DIMM)	3 GB PC3-8500 DDR3 SDRAM 1067MHz SODIMM Memory (2 DIMM)
DIMM Slots	2	2	2	2	2	2	2
Hard Disk / Controller	80GB Hard Disk Drive, 5400rpm Shock Mounted with Active Protection System	160 GB Hard Disk Drive, 7200rpm, ThinkPad Shock Mounted Hard Drive, Active Protection System	160 GB Hard Disk Drive, 7200rpm, ThinkPad Shock Mounted Hard Drive, Active Protection System	160 GB Hard Disk Drive, 7200rpm, ThinkPad Shock Mounted Hard Drive, Active Protection System	80GB Hard Disk Drive, 5400rpm Shock Mounted with Active Protection System	80 GB Hard Disk Drive, 5400rpm, ThinkPad Shock Mounted Hard Drive, Active Protection System	160GB Hard Disk Drive, 7200rpm, ThinkPad Shock Mounted Hard Drive, Active Protection System
Removable Storage	Not included/ available as option	DVD Recordable 8x Max Dual Layer.	DVD Recordable 8x Max Dual Layer.	DVD Recordable 8x Max Dual Layer	DVD Recordable 8x Max Dual Layer	DVD Recordable 8x Max Dual Layer	not included/ available as an option
PC Card Slot	One Express Card Type I or II	One Express Card Type I or II	One Express Card Type I or II	Compact Flash + Express Card(34mm)	One Express Card Type I or II	One Express Card Type I or II	One Express Card Type I or II
Video Graphics	Intel Graphics Media Accelerator 4500MHD	ATI Mobility Radeon HD 3470	ATI Mobility Radeon HD 3470	NVIDIA Quadro FX 2700M 48-core CUDA parallel computing processor 512MB High Def Audio AD1984HD	Intel Graphics Media Accelerator 4500MHD	Intel Graphics Media Accelerator 4500MHD	Intel Graphics Media Accelerator 4500MHD
Sound	HD Audio	HD Audio AD1984HD codec	HD Audio	HD Audio	HD Audio	HD Audio	HD Audio
Network Interface	Intel 82567LM Gigabit	Intel 82567LM Gigabit	Intel 82567LM Gigabit	Intel 82567LM Gigabit Network Connection	Intel 82567LM Gigabit	Intel 82567LM Gigabit	Intel 82567LM Gigabit
Wireless Interface	Intel WiFi Link 5100 (AGN)	Intel WiFi Link 5100 (AGN)	Intel WiFi Link 5100 (AGN)	Intel 5300 a/b/g/n	Intel WiFi Link 5100 (AGN)	Intel WiFi Link 5100 (AGN)	Intel WiFi Link 5100 (AGN)
Bluetooth Interface	Yes	Yes	Yes	Bluetooth 2.0	Bluetooth 2.0	Bluetooth 2.0	Yes
Modem Interface	56K v.92 Modem	56K v.92	56K v.92	56K V.9229 modem in Communications Daughter Card socket	56K V.92 modem	56K V.92 modem	56K v.92 Modem
USB 2.0 Connections	3	3	3	5	3	3	3
Serial Connection (spin, 16550)	no	0	0	0	0	0	0
VGA Out	1	1	1	1	1	1	1
Headphone/Speaker Line-out	1	1	1	1	1	1	1
Integrated Microphone	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Battery	4 Cell 65 Watt	9 Cell Li-Ion 90 Watt	9 Cell Li-Ion 90 Watt	9 Cell Li-Ion 170 Watt	9 Cell Li-Ion 65 Watt	6 Cell Li-Ion 65 Watts	8 Cell Li-Ion 65 Watt
AC Adapter	65 Watt	90 Watt	90 Watt	170 Watt	65 Watt	65 Watts	65 Watt
Mouse	Track Point	Touch Pad & Trackpoint	Touch Pad & Trackpoint	Touch Pad & Trackpoint	Touch Pad & Trackpoint	UltraNav (TrackPoint and TouchPad)	Track Point
Keyboard	Full Size 89 Key	89 Key Spill resistant	89 Key Spill resistant	89 Key Spill Resistant plus 10-key numeric keypad on right side of keyboard	89 Key Spill Resistant	Full Size 89 Key	Full Size 89 Key
Cable Lock Slots	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Biometrics	Fingerprint Sensor	Fingerprint Reader	Fingerprint Sensor	Fingerprint Sensor	Fingerprint Sensor	Fingerprint Reader	Fingerprint Reader
Warranty	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive
Upgrade Options							
Hard Disk / Controller	64 GB SSD					64 GB Solid State Drive, Serial ATA	AT&T built-in broadband, (HSDPA 3.6)
Mobile Broadband	AT&T built-in broadband, (HSDPA 3.6)	AT&T built-in broadband, (HSDPA 3.6)	AT&T built-in broadband, (HSDPA 3.6)		AT&T built-in broadband, (HSDPA 3.6)	AT&T built-in broadband, (HSDPA 3.6)	AT&T built-in broadband, (HSDPA 3.6)
Mobile Broadband		Verizon Wireless built-in broadband, (EV-DO Rev A)				Verizon Wireless built-in broadband, (EV-DO Rev A)	Verizon Wireless built-in broadband, (EV-DO Rev A)
Mobile Broadband	Verizon Wireless built-in broadband, (EV-DO Rev A)		Verizon Wireless built-in broadband, (EV-DO Rev A)		Verizon Wireless built-in broadband, (EV-DO Rev A)	Verizon Wireless built-in broadband, (EV-DO Rev A)	Verizon Wireless built-in broadband, (EV-DO Rev A)
Additional Warranty	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)
Accessories							
Battery	6 Cell Battery	3 Cell Ultrabay Battery			With additional 3 Cell Ultrabay Battery	3 Cell Ultrabay Battery	
Port Replicator	X200 Ultrabase: 4 USB, RJ-45, VGA, Display Port, microphone in, headphone out, Integrated battery charger for Spare battery charging	ThinkPad Essential Port Replicator 250510W Four USB 2.0 ports, one PS/2 port for mouse, and VGA for monitor Gigabit Ethernet (RJ-45) and modem (RJ-11)	ThinkPad Essential Port Replicator 250510W Four USB 2.0 ports, one PS/2 port for mouse, and VGA for monitor Gigabit Ethernet (RJ-45) and modem (RJ-11)	ThinkPad Essential Port Replicator 250510W Four USB 2.0 ports, one PS/2 port for mouse, and VGA for monitor Gigabit Ethernet (RJ-45) and modem (RJ-11)	ThinkPad Essential Port Replicator 250510W Four USB 2.0 ports, one PS/2 port for mouse, and VGA for monitor Gigabit Ethernet (RJ-45) and modem (RJ-11)	ThinkPad Essential Port Replicator 250510W Four USB 2.0 ports, one PS/2 port for mouse, and VGA for monitor Gigabit Ethernet (RJ-45) and modem (RJ-11)	X200 Ultrabase: 4 USB, RJ-45, VGA, Display Port, microphone in, headphone out, Integrated battery charger for Spare battery charging
Docking Station		ThinkPad Advanced Dock 47 250310U half-size PCI Express card slot, 5 USB 2.0 ports, 1 PS/2 port for mouse, serial, and parallel, Microphone in, headphone out, S/PDIF (digital audio), DVI-D, VGA, Gigabit Ethernet (RJ-45) and modem (RJ-11), Ultrabay Enhanced for device expansion - Supports Ultrabay Enhanced DVD, CD-RW/DVD-ROM combo and Multi-Burner drives, second ThinkPad hard drive	ThinkPad Advanced Dock 47 250310U half-size PCI Express card slot, 5 USB 2.0 ports, 1 PS/2 port for mouse, serial, and parallel, Microphone in, headphone out, S/PDIF (digital audio), DVI-D, VGA, Gigabit Ethernet (RJ-45) and modem (RJ-11), Ultrabay Enhanced for device expansion - Supports Ultrabay Enhanced DVD, CD-RW/DVD-ROM combo and Multi-Burner drives, second ThinkPad hard drive	Provides desktop expansion and cable management for W700 Series Features: Security key lock, Security cable lock slot, External monitor ports: Analog DB-15, Dual-link DVI-D, DisplayPort, Four USB 2.0 ports, eSATA port, Gigabit ethernet port, Microphone in and headphone out, S/PDIF (RCA coaxial digital out)	ThinkPad Advanced Dock 47 250310U half-size PCI Express card slot, 5 USB 2.0 ports, 1 PS/2 port for mouse, serial, and parallel, Microphone in, headphone out, S/PDIF (digital audio), DVI-D, VGA, Gigabit Ethernet (RJ-45) and modem (RJ-11), Ultrabay Enhanced for device expansion - Supports Ultrabay Enhanced DVD, CD-RW/DVD-ROM combo and Multi-Burner drives, second ThinkPad hard drive	ThinkPad Advanced Dock 47 250310U half-size PCI Express card slot, 5 USB 2.0 ports, 1 PS/2 port for mouse, serial, and parallel, Microphone in, headphone out, S/PDIF (digital audio), DVI-D, VGA, Gigabit Ethernet (RJ-45) and modem (RJ-11), Ultrabay Enhanced for device expansion - Supports Ultrabay Enhanced DVD, CD-RW/DVD-ROM combo and Multi-Burner drives, second ThinkPad hard drive	
Removable Storage	ThinkPad 8X DVD Burner Ultrabay Slim Serial ATA Drive Must be used with X200 Ultrabase(43R8781)						ThinkPad 8X DVD Burner Ultrabay Slim Serial ATA Drive Must be used with X200 Ultrabase(43R8781)
Monitor Stand	Monitor Stand	Monitor Stand	Monitor Stand		Monitor Stand	Monitor Stand	Monitor Stand
Additional Information							
Dimensions (W x D x H)	11.6 x 8.3 x 1.4 4 Cell up to 3.3	13.2 x 9.4 x 1.3	14.1 x 10 x 1.3	16.1 x 12.2 x 1.6	13.2 x 9.4 x 1.3	13.2 x 9.4 x 1.1-1.3	11.6 x 11.1 x 1.3
Expected Battery Life (hrs)	6 Cell up to 6.5 9 Cell up to 9.8	9.8 Hrs	Up to 9.4	Up to 2.3Hrs	9.8 Hrs	6-cell: up to 6.5 hr	10.3
Recharge Time (hrs)	1 Hour 35 Minutes	2 Hours 40 Minutes	2 Hours 40 Minutes	2 Hours 50 Minutes	2 Hours 40 Minutes	2 Hours 10 Minutes	1 Hour 50 Minutes
TPM 1.2+	Yes	Yes	Yes	Yes	Yes	TPM 1.2 Compliant	TPM 1.2 Compliant
vPro	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FEB 2009 PRICE	\$1,239.57	\$1,200.12	\$1,262.58	\$2,080.50	\$1,337.49	\$1,213.74	\$1,603.12

FUJITSU LAPTOPS (EnPointe)	Ultra Portable Laptop Configuration 5	Business 14.1" Laptop Configuration 6	Business 15.4" Laptop Configuration 7	Convertible - Desktop Replacement Laptop Configuration 12
				
	LIFEBOOK P8020	LIFEBOOK S7220	LIFEBOOK E8420	LIFEBOOK T5010
Weight	~2.9 lbs w/6 cell battery and integrated DL DVDRW	5.3 lbs. with optical drive and battery installed	~6.1 lbs w/6 cell	4.9 lbs (including optical and battery)
Display Size	12.1" Crystal View WXGA	14.1 inch Wide Screen WXGA+	15.4" Anti-Glare WSXGA+	13.3 inch Wide Screen WXGA w/Active Digitizer
Processor / Front Side Bus	Intel® Core™ 2 Duo ULV SU9400 (1.40GHz, 3M, 800Mhz)	Intel® Core™ 2 Duo T9500 (2.53GHz, 6M, 1.066Mhz)	Intel® Core™ 2 Duo T9400 (2.53GHz, 6M, 1.066Mhz)	Intel® Core™ 2 Duo T9400 (2.53GHz, 6M, 1.066Mhz)
BIOS Configuration	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive
Operating System	Windows Vista Business w/NTFS & downgrade option to Windows XP Pro	Windows Vista Business w/NTFS & downgrade option to XP Pro	Windows Vista Business w/NTFS & downgrade option to XP Pro	Windows Vista Business w/NTFS & downgrade option to XP Pro
RAM Standard	3GB DDR3 800 Mhz	4GB DDR3 SDRAM, 1066MHz, 2 DIMMs	Up to 4GB (2GB x 2) DDR3 1066Mhz	3GB DDR3 SDRAM, 1066MHz, 2 DIMMs
DIMM Slots	2	2	2	2
Hard Disk / Controller	160GB, (shock mounted and protected w/smart shock sensor)	160GB Hard Drive, 7200RPM, Free Fall Sensor	120GB 7200RPM (shock mounted, protected by shock sensor)	160GB Hard Drive, 7200RPM Free Fall Sensor
Removable Storage	Fixed Dual Layer DVD-RW (Roxio, Cyberlink Power DVD)	8X DVD+/-RW, Roxio, Cyberlink PowerDVD™	Modular DVD-RW (Roxio, Cyberlink Power DVD)	8X DVD+/-RW, Roxio, Cyberlink PowerDVD™
PC Card Slot	Type 1 or Type 2	Type I or Type II	Type 1 or Type II	Type I or Type II
Video Graphics	Intel GMA x4500MHD	Intel GMA 4500	NVIDIA GeForce 9300M GS (256MB)	Intel® Graphics Media Accelerator 4500 MDH
Sound	High Definition Audio	High Definition Audio	High Definition Audio	High Definition Audio
Network Interface	Intel® Gigabit LAN 10/100/1000	Marvell Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000
Wireless Interface	Intel Wi-Fi Link 5300 (802.11 a/b/g/draft-n)	Intel 802.11b/g/n	Intel WiFi Link 5300 (802.11 a/b/g/draft n)	Intel 802.11b/g/n
Bluetooth Interface	Yes	Yes	Yes	Yes
Modem Interface	56K v.92	56K v.92	56K v.92	56K v.92
USB 2.0 Connections	3	3	4	3
Serial Connection (9pin, 16550)	No serial port	0	1	0
VGA Out	1	1	1	1
Headphone/Speaker Line-out	1	1	1	1
Integrated Microphone	Yes	Yes	1	Yes (Dual Array)
Battery	6 cell	6 Cell	8 cell	6 Cell
AC Adapter	60 watt	100 Watt	100 Watt	80 Watt
Mouse	touchpad	Touchpad	Touch pad	Touchpad / Pen
Keyboard	82 key	84-key full-size spill-resistant US keyboard	84 key US	84-key US keyboard, spill-resistant
Cable Lock Slots	Yes	Yes	Yes	Yes
Biometrics	Authentic Fingerprint Sensor	Authentic Fingerprint Reader	Authentic Fingerprint Sensor	Authentic Fingerprint Reader
Warranty	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive
Upgrade Options				
Hard Disk / Controller	64GB SSD			
Display			15.4" Crystal View WXGA	13.3 inch Wide Screen WXGA Indoor/Outdoor
Additional Warranty	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)
Accessories				
Battery	6 cell battery	6-Cell Modular Bay Battery	modular bay battery (6 cell)	Hi-Capacity 6-Cell
Port Replicator	Port Rep offers: VGA, 4 USB 2.0, RJ-45, headphone/line-out, DVI-D, DC connector			4x USB 2.0, Power, VGA, DVI, HDMI, Audio Line out, LAN, Suspend/Resume button
Docking Station		Serial, Parallel, DVID, VGA, PS/2, 4x USB 2.0, LAN, Power, Lock slot, Suspend/Resume button, Headphone, Microphone	Serial, Parallel, DVID, VGA, PS/2, 4 USB 2.0, headphone/line-out, microphone/line-in, RJ-45	
Additional Information				
Dimensions (W x D x H)	10.79 x 8.27 x 1.12-1.47	13.15 x 9.5 x 1.22-1.46	14.06 x 10.12 x 1.4-1.44	12.56 x 9.61 x 1.44-1.52
Expected Battery Life (.hrs)	Up to 7hrs 45 min.	Up to 3 hrs with standard battery; Up to 5:45 with standard + modular	~3 hrs 30 min (NVIDIA, WXGA)	Standard 6-cell: Up to 3:45 hrs; Main + Modular bay battery: Up to 6:45 hr
Recharge Time (.hrs)	~4.8 hrs	~3.5 hours	~3.5	6.6 hours
TPM 1.2+	Yes	Yes	Yes	Yes
vPro			Yes	Yes
FEB 2009 PRICE	\$2,200.00	\$1,979.38	\$2,127.84	\$2,192.78

PANASONIC LAPTOPS (CDWG)	Semi-Rugged Laptop Configuration 9	Rugged Laptop Configuration 10	Rugged Laptop Configuration 10	Convertible - Portable Laptop Configuration 11	Convertible - Portable Laptop Configuration 11
					
	TOUGHBOOK CF 52	TOUGHBOOK CF 30 (Touch)	TOUGHBOOK CF 30 (Non-Touch)	TOUGHBOOK CF 19 (Digitizer)	TOUGHBOOK CF 19 (Touch)
Weight	7.5lbs with Handle and Battery; CF-52 has been MIL Spec tested and test docs are included with this submission document.	8.4 lbs, Solid Die Cast Chassis, (MIL-STD-810F compliant)	8.4 lbs, Solid Die Cast Chassis, (MIL-STD-810F compliant)	5.1lbs includes Battery. Rugged, Lightweight, Wireless and Convertible Tablet PC	5.1lbs includes Battery. Rugged, Lightweight, Wireless and Convertible Tablet PC
Display Size	15.4" widescreen 1920 x 1200 WUXGA TFT active matrix color LCD	13.3" XGA, 1000nit (Touch) for daylight readable, Shock Mounted-Ruggedized Screen	13.3" XGA, 500nit (NonTouch) for daylight readable, Shock Mounted-Ruggedized Screen	10.4", 1024x768, daylight readable 1000nit active matrix color LCD, Digitizer or Touch functionality included.	10.4", 1024x768, daylight readable 1000nit active matrix color LCD, Touch only
Processor / Front Side Bus	Intel® Core™ 2 Duo P8600 (2.40GHz, 3M, 1.066Mhz)	Intel® Core™ 2 Duo SL7300 (1.6GHz LV, 4M, 1.066Mhz)	Intel® Core™ 2 Duo SL7300 (1.6GHz LV, 4M, 1.066Mhz)	Intel® Core™ 2 Duo SU9300 (1.20 GHz, 3M, 667Mhz)	Intel® Core™ 2 Duo SU9300 (1.20 GHz, 3M, 667Mhz)
BIOS Configuration	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive
Operating System	Windows Vista Business w/NTFS & downgrade option to XP Pro	Windows Vista Business w/NTFS & downgrade option to XP Pro	Windows Vista Business w/NTFS & downgrade option to XP Pro	Windows Vista Business w/NTFS & downgrade option to XP Tablet SP2	Windows Vista Business w/NTFS & downgrade option to XP Pro SP2
RAM Standard	2GB standard expandable to 4GB ADD CF-WMBA602GIS (2Gb Ram)	Base unit-2GB RAM Upgradable to 4GB on standard model ADD CF-WMBA602GIS (preinstalled 2Gb to total 4Gb RAM	Base unit-2GB RAM Upgradable to 4GB on standard model ADD CF-WRBA602GIS (preinstalled 2Gb to total 4Gb RAM	Base model 2Gb Ram add 1GB CF-WMBA601GIS to 3 Gb Total (upgradable to 4GB), 667Mhz, 2 DIMMS	Base model 2Gb Ram add 1GB CF-WMBA601GIS to 3 Gb Total (upgradable to 4GB), 667Mhz, 2 DIMMS
DIMM Slots	2	2	2	2	2
Hard Disk / Controller	160GB shock mounted hard drive, 7200RPM	160 GB SATA Shock mounted-end user removable ; 5400RPM; MIL SPEC tested & certified	160 GB SATA Shock mounted-end user removable ; 5400RPM; MIL SPEC tested & certified	160 GB SATA Shock mounted-end user removable ; 5400RPM; MIL SPEC tested & certified	160 GB SATA Shock mounted-end user removable ; 5400RPM; MIL SPEC tested & certified
Removable Storage	DVD SuperMULTI Drive (8X DVD+/-RW) with Dual Layer Support, BHA B's Clip Software Included	DVD SuperMULTI Drive (8X DVD+/-RW) with Dual Layer Support, BHA B's Clip Software Included	DVD SuperMULTI Drive (8X DVD+/-RW) with Dual Layer Support, BHA B's Clip Software Included	USB BUS powered EXTERNAL CD-RW/DVD COMBO DRIVE, Roxio.	USB BUS powered EXTERNAL CD-RW/DVD COMBO DRIVE, Roxio.
PC Card Slot	PC card type II x 1 + SD card (SDHC) + ExpressCard/54 x 1 - with port cover	1 Type II open and 1 ExpressCard Slot sealed with cover	1 Type II open and 1 ExpressCard Slot sealed with cover	Type II x1 and Express /34 or /54 x1. All sealed with cover	Type II x1 and Express /34 or /54 x1. All sealed with cover
Video Graphics	Intel® GM45 (GMA 4500MHD video controller)	Intel® 1423 GMB - integrated	Intel® 1423 GMB - integrated	Intel 965GM, Integrated, 384MB Shared	Intel GS45, Integrated, 384MB Shared
Sound	Intel® High Definition Audio Interface 24bit full duplex stereo	Intel High Definition Audio Interface 24bit full duplex stereo	Intel High Definition Audio Interface 24bit full duplex stereo	Sigmatel, Integrated, 16-bit SB Compatible	Sigmatel, Integrated, 16-bit SB Compatible
Network Interface	10/100/1000 w port cover	Marvell Yukon 10/100/1000; sealed with cover; wake on-LAN capable	Marvell Yukon 10/100/1000; sealed with cover; wake on-LAN capable	Marvell Yukon 10/100/1000, Wakeon-LAN capability	Marvell Yukon 10/100/1000, Wakeon-LAN capability
Wireless Interface	Intel® 802.11a/b/g/n	IEEE 802.11 a/b/g/n	IEEE 802.11 a/b/g/n	Intel 802.11b/g/n	Intel 802.11b/g/n
Bluetooth Interface	Yes	Yes	Yes	Yes	Yes
Modem Interface	56k v.92	56K v.92; Lite-on / RD02 - D110	56K v.92; Lite-on / RD02 - D110	Lite-on / RD02 - D110 56K	Lite-on / RD02 - D110 56K
USB 2.0 Connections	4 - USB 2.0 with port covers	2 USB 2.0 ports - with sealed port covers (rubber)	2 USB 2.0 ports - with sealed port covers (rubber)	2 USB 2.0 ports	2 USB 2.0 ports
Serial Connection (9pin, 16550)	1 serial with port cover	1 serial port - with sealed port cover (rubber)	1 serial port - with sealed port cover (rubber)	1 serial port	1 serial port
VGA Out	1 VGA	1394 Firewire, RJ45, VGA, Audio Line in/out, Port Replicator- sealed port cover	1394 Firewire, RJ45, VGA, Audio Line in/out, Port Replicator- sealed port cover	1394 Firewire, RJ45, VGA, Audio Line in/out, Port Replicator--all ports are covered	1394 Firewire, RJ45, VGA, Audio Line in/out, Port Replicator--all ports are covered
Headphone/Speaker Line-out	1 headphone/speaker w port cover	1 w sealed port cover	1 w sealed port cover	1	1
Integrated Microphone	Yes	Yes	Yes	Yes	Yes
Battery	9 cell battery included	9 cell included	9 cell included	9 cell Included	9 cell Included
AC Adapter	Wide voltage range AC adapter; included. Dual voltage 110-120V 50/60 Hz	Wide voltage range AC adapter; included. Dual voltage 110-120V 50/60 Hz, 80 Watt	Wide voltage range AC adapter; included. Dual voltage 110-120V 50/60 Hz, 80 Watt	A/C adapter Included. Dual voltage 110-120V 50/60 Hz, 60Watt	A/C adapter included. Dual voltage 110-120V 50/60 Hz, 60 Watt
Mouse	Touchpad - dust & spill resistant; MIL Spec Tested & certified	Touchpad - pressure sensitive; Dust & spill resistant; MIL Spec tested & certified	Touchpad - pressure sensitive; Dust & spill resistant; MIL Spec tested & certified	Touchpad and Electronic Pen (Stylus) or Touchscreen	Touchpad and Touchscreen
Keyboard	87-key US; dust & spill resistant; MIL Spec tested & certified	87-key US, Dust & Spill resistant; MILSpec tested & certified	87-key US, Dust & Spill resistant; MILSpec tested & certified	87-Key US	87-Key US
Cable Lock Slots	Yes	Yes	Yes	Cable lock slot	Cable lock slot
Biometrics	no	Not included, available as option	Not included, available as option	not included/ available as option	not included/ available as option
Warranty	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive
Upgrade Options					
Display				12.1"PDRC Disply (RoHS compliant) includes Backlit Keyboard	12.1"PDRC Disply (RoHS compliant) includes Backlit Keyboard
Mobile Broadband	GOBI 3G Global Mobile Internet (WWAN) Connectivity for ATT, Sprint, Verizon	GOBI 3G Global Mobile Internet (WWAN) Connectivity for ATT, Sprint, Verizon	GOBI 3G Global Mobile Internet (UNDP 7.2bps) Connectivity for ATT, Sprint, Verizon	GOBI 3G Global Mobile Internet (UNDP 7.2bps) Connectivity for ATT, Sprint, Verizon	GOBI 3G Global Mobile Internet (UNDP 7.2bps) Connectivity for ATT, Sprint, Verizon
Mobile Broadband	GOBI 3G Global Mobile Internet (WWAN) Connectivity for ATT, Sprint, Verizon	GOBI 3G Global Mobile Internet (WWAN) Connectivity for ATT, Sprint, Verizon	GOBI 3G Global Mobile Internet (UNDP 7.2bps) Connectivity for ATT, Sprint, Verizon	GOBI 3G Global Mobile Internet (UNDP 7.2bps) Connectivity for ATT, Sprint, Verizon	GOBI 3G Global Mobile Internet (UNDP 7.2bps) Connectivity for ATT, Sprint, Verizon
Mobile Broadband	GOBI 3G Global Mobile Internet (WWAN) Connectivity for ATT, Sprint, Verizon	GOBI 3G Global Mobile Internet (WWAN) Connectivity for ATT, Sprint, Verizon	GOBI 3G Global Mobile Internet (UNDP 7.2bps) Connectivity for ATT, Sprint, Verizon	GOBI 3G Global Mobile Internet (UNDP 7.2bps) Connectivity for ATT, Sprint, Verizon	GOBI 3G Global Mobile Internet (UNDP 7.2bps) Connectivity for ATT, Sprint, Verizon
Biometrics	UPEK® Fingerprint Reader	UPEK® Fingerprint Reader	UPEK® Fingerprint Reader	UPEK fingerprint reader; optional upgrade	UPEK fingerprint reader; optional upgrade
Additional Warranty	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (SKU changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)
Accessories					
Battery		Multi-Media Bay - 9 Cell	Multi-Media Bay-9 Cell		
Port Replicator	Port Replicator - Bus connect w/ I/O ports: 4 USB, VGA, RJ-45, DC IN.	Bus connect w/ I/O ports: Serial, Parallel, 2 PS/2, 4 USB, VGA, DVI, Audio, RJ-45, RJ-11	Bus connect w/ I/O ports: Serial, Parallel, 2 PS/2, 4 USB, VGA, DVI, Audio, RJ-45, RJ-11	Quick Connect/Release Desktop Port Replicator for the CF-18, CF-19 with LAN, PS/2, Serial (2), USB 2.0 4), Video Out, Headphone and Mic, DC in 16V, and Driver CD.**AC Adaptor NOT included	Quick Connect/Release Desktop Port Replicator for the CF-18, CF-19 with LAN, PS/2, Serial (2), USB 2.0 4), Video Out, Headphone and Mic, DC in 16V, and Driver CD.**AC Adaptor NOT included
Removable Storage				USB BUS powered EXTERNAL CD-RW/DVD COMBO DRIVE, Roxio.	USB BUS powered EXTERNAL CD-RW/DVD COMBO DRIVE, Roxio.
Additional Information					
Dimensions (W x D x H)	14 x 11.3 x 2	11.9 x 11.3 x 2.8	11.9 x 11.3 x 2.8	10.7 x 8.5 x 1.93	10.7 x 8.5 x 1.93
Expected Battery Life (.hrs)	7 hours	Approx 7 hrs	Approx 7 hrs		
Recharge Time (.hrs)	Power on/power off - 7hrs/4.5hrs	Power on/power off 7hrs/4.5hrs	Power on/power off 7hrs/4.5hrs		
TPM 1.2+	Yes	Yes	Yes	Yes	Yes
vPro	Yes	Yes	Yes	Yes	Yes
FEB 2009 PRICE	\$2,317.70	\$3,541.95	\$2,964.51	\$3,098.29	\$2,949.10

ULTRA-PORTABLE LAPTOP CONFIGURATION 5 COMPARISON				
	DELL LATITUDE E4200	HP ELITEBOOK 2530P	FUJITSU LIFEBOOK P8020	LENOVO THINKBOOK X200
Weight	Approx 3 lbs as configured	Starting from 3.19 lbs. including 3-cell battery	-2.9 lbs w/6 cell battery and integrated DL DVDRW	3.26Lbs
Display Size	12.1" WXGA LED	12.1 inch diagonal Illumi-Lite, WXGA, anti-glare (1280 x 800)	12.1" Crystal View WXGA	12.1" WXGA (1280x800)
Processor / Front Side Bus	Intel® Core™ 2 Duo ULV SU9400 (1.40GHz, 3M, 800MHz)	Intel® Core™ 2 Duo ULV SU9300 (1.20GHz, 3M, 800MHz)	Intel® Core™ 2 Duo ULV SU9400 (1.40GHz, 3M, 800MHz)	Intel® Core™ 2 Duo P9400 (2.26GHz, 3M, 1066MHz)
BIOS Configuration	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive
Operating System	Windows Vista Business w/NTFS & downgrade option to Windows XP Pro	Genuine Windows Vista® Business with downgrade to Windows XP Professional custom installed	Windows Vista Business w/NTFS & downgrade option to Windows XP Pro	Genuine Windows Vista Business Down Grade to Genuine Windows XP Professional.
RAM Standard	3GB DDR2 SDRAM, 2 DIMMs	3072MB 800 MHz DDR2 SDRAM (2DIMM)	3GB DDR3 800 Mhz	3 GB PC3-8500 DDR3 SDRAM 1067MHz SODIMM Memory (2 DIMM)
DIMM Slots	2	2	2	2
Hard Disk / Controller	64GB solidstate	80 GB 1.8" 5400rpm SATA Hard Drive HP DriveGuard Technology	160GB, (shock mounted and protected w/smart shock sensor)	80GB Hard Disk Drive, 5400rpm Shock Mounted with Active Protection System
Removable Storage	Not Included/ available as option	Internal 8X DVD+/-RW SuperMulti DL Drive Roxio Creator Business, Intervideo WinDVD - DVD Player	Fixed Dual Layer DVD-RW (Roxio, Cyberlink Power DVD)	Not included/ available as option
PC Card Slot	No PC Card. Instead ExpressCard 34, SD, MMC	ExpressCard/54 slot	Type 1 or Type 2	One Express Card Type I or II
Video Graphics	Intel® 4500MHD	Mobile Intel® Graphics Media Accelerator 4500MHD, up to 384 MB of shared memon	Intel GMA x4500MHD	Intel Graphics Media Accelerator 4500MHD
Sound	High Definition Audio	High Definition Audio	High Definition Audio	HD Audio
Network Interface	Intel® Gigabit LAN 10/100/1000	Integrated Intel Gigabit Network Connection (10/100/1000 NIC)	Intel® Gigabit LAN 10/100/1000	Intel 82567LM Gigabit
Wireless Interface	Yes - Intel WiFi Link 5300 802.11 a/g/n Draft	Intel® WiFi Link 5100AGN (802.11a/b/g/draft-n)	Intel Wi-Fi Link 5300 (802.11 a/b/g/draft-n)	Intel WiFi Link 5100 (AGN)
Bluetooth Interface	Dell 365 Bluetooth 2.1	Yes - HP Integrated Module with Bluetooth® Wireless Technology	Yes	Yes
Modem Interface	NO	56K v.92 modem	56K v.92	56K v.92 Modem
USB 2.0 Connections	2 USB Ports	2	3	3
Serial Connection(9pin, 16550)	No	1	No serial port	no
VGA Out	1	1	1	1
Headphone/Speaker Line-out	1	1 - Stereo headphone/line out and microphone in Integrated microphone	1	1
Integrated Microphone	Yes	Yes	Yes	Yes
Battery	4 Cell	6-cell (55 WHr) Lithium-Ion battery	6 cell	4 Cell
AC Adapter	45 Watt	65W Smart AC Adapter	60 watt	65 Watt
Mouse	Touch pad / single point	Enhanced dual pointing devices (touchpad and pointstick) with scroll zone	touchpad	Track Point
Keyboard	87-Key US	Full-sized keyboard	82 key	Full Size 89 Key
Cable Lock Slots	Yes	Kensington Lock slot	Yes	Yes
Biometrics	Fingerprint Sensor	HP Fingerprint Sensor	Authentic Fingerprint Sensor	Fingerprint Sensor
Warranty	3 Year NBD Onsite, Accidental Damage, Keep Hard Driv	3 Year NBD Onsite, Accidental Damage, Keep Hard Driv	3 Year NBD Onsite, Accidental Damage, Keep Hard Driv	3 Year NBD Onsite, Accidental Damage, Keep Hard Driv
Upgrade Options				
Hard Disk / Controller		80 GB 1.8" SSD SATA Hard Drive	64GB SSD	63 GB SSD
Display		12.1 inch diagonal Illumi-Lite (Backlight LED), WXGA, anti-glare No Daylight (Outdoor View) Available		
Mobile Broadband	AT&T built-in broadband, (HSDPA 3.6)	HP un2400 EVDO/HSPA Mobile Broadband Module		AT&T built-in broadband, (HSDPA 3.6)
Mobile Broadband	Sprint built-in broadband, (EV-DO Rev A)	HP un2400 EVDO/HSPA Mobile Broadband Module		no
Mobile Broadband	Verizon Wireless built-in broadband, (EV-DO Rev A)	HP un2400 EVDO/HSPA Mobile Broadband Module		Verizon Wireless built-in broadband, (EV-DO Rev A)
Additional Warranty	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)
Accessories				
Battery	6 cell battery	6-cell (55 WHr) Lithium-Ion battery	6 cell battery	6 Cell Battery
Battery	6 cell battery slice	9-cell (83 WHr) Lithium-Ion battery		9 Cell battery
Port Replicator	E-Port Plus No RJ11 port			4 USB, RJ-45, VGA, Display Port, microphone in, headphone out, Integrated battery charger for Super battery charging
Docking Station		HP 2400/2500 Ultra-Light Docking Station: No Serial, No Parallel, No PS/2, 4USB, 1 VGA, No DVI, 1 Audio In, 1 Audio Out, 1 RJ-45, No RJ-11, S-Video-out jack, Monitor stand port, Integrated security cable slot, Docking connector for battery charging		
Removable Storage				ThinkPad 8X DVD Burner Ultrabay Slim Serial ATA Drive Must be used with X200 Ultrabase(43R8781)
Monitor Stand	8X DVD+/-RW (313-6956) Cyberlink Power DVD 8.0 Playback Software WITH Media (420-8667) Roxio Creator Dell Edition 3.0 (420-8010) External E Modular Bay (313-7191)	HP Adjustable Notebook Stand		Monitor Stand
Additional Information				
Dimensions (W x D x H)	0.75-1.1 x 11.4-11.7 x 8.0	11.11 x 8.44 x 0.99	10.79 x 8.27 x 1.12-1.47	11.6 x 8.3 x 1.4
Expected Battery Life(hrs)	With SSD: up to 4.5hrs: 4 cell up to 7.2hrs: 6 cell up to 14.8hrs: 6 cell + slice	3-cell Primary Battery Up to 4 hours and 30 minutes 6-cell Primary Battery Up to 8 hours and 15 minutes 9-cell Primary Battery Up to 12 hours and 45 minutes	Up to 7hrs 45 min.	4 Cell up to 3.3 6 Cell up to 6.5 9 Cell up to 9.8
Recharge Time (hrs)	Under 2hrs per battery	HP Fast Charge recharges your battery up to 90% within 90 minutes when the system is off. Fast Charge Technology does not apply to 9 cell primary batteries	-4.8 hrs	1 Hour 35 Minutes
TPM 1.2+	Yes	Yes	Yes	Yes
vPro	optional	Yes		
FEB 2009 PRICE	\$1,440.21	\$1,408.88	\$2,200.00	\$1,239.57

BUSINESS 14.1" LAPTOP CONFIGURATION 6 COMPARISON				
	DELL LATITUDE E6400	HP ELITEBOOK 6930P	FUJITSU LIFEBOOK S7220	LENOVO THINKBOOK T400
Weight	Approx 5 lbs as configured	Starting at 4.7 lb including 6-cell battery	5.3 lbs. with optical drive and battery installed	5.6 Lbs
Display Size	14.1 WXGA+ LED	14.1-inch diagonal WXGA anti-glare (1280 x 800 resolution)	14.1 inch Wide Screen WXGA+	14.1 WXGA+ TFT, w/ LED Backlight
Processor / Front Side Bus	Intel® Core™ 2 Duo T9400 (2.53GHz, 6M, 1.066Mhz)	Intel® Core™ 2 Duo T9400 (2.53GHz, 6M, 1.066Mhz)	Intel® Core™ 2 Duo T9500 (2.53GHz, 6M, 1.066Mhz)	Intel® Core™ 2 Duo T9400 (2.53GHz, 6M, 1.066Mhz)
BIOS Configuration	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive
Operating System	Windows Vista Business w/NTFS & downgrade option to XP Pro	Genuine Windows Vista® Downgrade to Windows XP Professional	Windows Vista Business w/NTFS & downgrade option to XP Pro	Genuine Windows Vista Business Down Grade to Genuine Windows XP Professional.
RAM Standard	4GB DDR2 SDRAM, 800MHz, 2 DIMMs	4096MB 800MHz DDR2 SDRAM (2 DIMM)	4GB DDR3 SDRAM, 1066MHz, 2 DIMMs	4 GB PC3-8500 DDR3 SDRAM 1067MHz SODIMM Memory (2 DIMM)
DIMM Slots	2	2	2	2
Hard Disk / Controller	160GB 7200rpm, free fall sensor	160GB 7200rpm HP DriveGuard Technology	160GB Hard Drive, 7200RPM, Free Fall Sensor	160 GB Hard Disk Drive, 7200rpm, ThinkPad Shock Mounted Hard Drive, Active Protection System
Removable Storage	8X DVD+/-RW, Roxio, Cyberlink PowerDVD™	Internal DVD RW LightScribe UpgradeBay Optical Drive Roxio Creator Business, Intervideo WinDVD – DVD Player	8X DVD+/-RW, Roxio, Cyberlink PowerDVD™	DVD Recordable 8x Max Dual Layer,
PC Card Slot	Yes	ExpressCard/54 slot	Type I or Type II	One Express Card Type I or II
Video Graphics	Yes: nVidia NVS 160M (256MB)	ATI Mobility Radeon™ HD 3450 with 256 MB of dedicated video memory	Intel GMA 4500	ATI Mobility Radeon HD 3470
Sound	High Definition Audio	High Definition Audio	High Definition Audio	HD Audio AD1984HD codec
Network Interface	Intel® Gigabit LAN 10/100/1000	Intel Gigabit Network Connection (10/100/1000 NIC)	Marvell Gigabit LAN 10/100/1000	Intel 82576LM Gigabit
Wireless Interface	Intel WiFi Link 5300	Integrated 802.11 a/b/g/n draft	Intel 802.11b/g/n	Intel WiFi Link 5100 (AGN)
Bluetooth Interface	Dell 370 Bluetooth	Yes - HP Integrated Module with Bluetooth® Wireless Technology	Yes	Yes
Modem Interface	Optional Internal 56K v.92	56K V.92 modem	56K v.92	56K v.92
USB 2.0 Connections	4 included	3	3	3
Serial Connection (pin, 16550)	No	0	0	0
VGA Out	1	1	1	1
Headphone/Speaker Line-out	1	1	1	1
Integrated Microphone	Yes	Yes	Yes	Yes
Battery	9 Cell	6-cell (55 Whr) Li-Ion primary battery	6 Cell	9 Cell Li-Ion
AC Adapter	90 Watt	90-watt Smart AC adapter	100 Watt	90 Watt
Mouse	Touch pad/ Track stick	Touchpad with scroll zone Touchpad buttons Volume scroll zone with up/down LED indicators, mute button	Touchpad	Touch Pad & Trackpoint
Keyboard	87-Key US	101/102-key with HP Durakeys and HP Durafinish Technology	84-key full-size spill-resistant US keyboard	89 Key Spill resistant
Cable Lock Slots	Yes	Kensington Lock Slot	Yes	Yes
Biometrics	not included/available as an option	HP Fingerprint Sensor	Authentic Fingerprint Reader	Fingerprint Reader
Warranty	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive
Upgrade Options				
Display		14.1-inch diagonal Illumi-Lite, WXGA WVA No Daylight (Outdoor View) Available		
Mobile Broadband	AT&T built-in broadband, (HSDPA 3.6)	HP un2400 EVDO/HSPA Mobile Broadband Module		AT&T built-in broadband, (HSDPA 3.6)
Mobile Broadband	Sprint built-in broadband, (EV-DO Rev A)	HP un2400 EVDO/HSPA Mobile Broadband Module		
Mobile Broadband	Verizon Wireless built-in broadband, (EV-DO Rev A)	HP un2400 EVDO/HSPA Mobile Broadband Module		Verizon Wireless built-in broadband, (EV-DO Rev A)
Biometrics	UPEK® Fingerprint Reader			
Additional Warranty	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)
Accessories				
Battery	12-Cell High Capacity Battery Slice	HP 12-cell Ultra-Capacity Battery	6-Cell Modular Bay Battery	3 Cell Ultrabay Battery
Port Replicator	E-Port Plus No RJ11 port	HP Basic Docking Station: Serial, Parallel, PS/2, 4 USB, VGA, DVI-D, Audio, RJ-45, RJ-11		
Docking Station		HP Advanced Docking Station: Serial, Parallel, PS/2, 6 USB, VGA, DVI-D, Audio, RJ-45, RJ-11, Multi-bay	Serial, Parallel, DVID, VGA, PS/2, 4x USB 2.0, LAN, Power, Lock slot, Suspend/Resume button, Headphone, Microphone	ThinkPad Essential Port Replicator 250510W Four USB 2.0 ports, one PS/2 port for mouse, and VGA for monitor Gigabit Ethernet (RJ-45) and modem (RJ-11)
Removable Storage				ThinkPad Advanced Dock 47 250310U half-size PCI Express card slot, 5 USB 2.0 ports, 1 PS/2 port for mouse, serial, and parallel, Microphone in, headphone out, S/PDIF (digital audio), DVI-D, VGA, Gigabit Ethernet (RJ-45) and modem (RJ-11), Ultrabay Enhanced for device expansion - Supports Ultrabay Enhanced DVD, C, RW/DVD-ROM combo and Multi-Burner drives, second ThinkPad hard drive
Monitor Stand	Flat Panel Display Stand. Requires purchase of E-Port Plus	HP Standard Monitor Stand		Monitor Stand
Additional Information				
Dimensions (W x D x H)	13.2 x 9.4 x 1.0-1.2	13.03 x 9.57 x 1.23	13.15 x 9.5 x 1.22-1.46	13.2 x 9.4 x 1.3
Expected Battery Life (hrs)	up to 9.7hrs: 9 cell up to 19.1hrs: 9 cell + slice	6 hours and 15 Mins	Up to 3 hrs with standard battery; Up to 5:45 with standard + modular	9.8 Hrs
Recharge Time (hrs)	Under 2hrs per battery	HP Fast Charge recharges your battery up to 90% within 90 minutes when the system is off. HP Fast Charge does not apply to 12-cell Ultra-Capacity batteries	~3.5 hours	2 Hours 40 Minutes
TPM 1.2+	Yes	Yes	Yes	Yes
vPro	Optional	Yes		Yes
FEB 2009 PRICE	\$1,207.22	\$1,198.33	\$1,979.38	\$1,200.12





BUSINESS 15.4" LAPTOP CONFIGURATION 7 COMPARISON				
	DELL LATITUDE E6500	HP ELITEBOOK 8530P	FUJITSU LIFEBOOK E8420	LENOVO THINKBOOK T500
Weight	Approx 6 lbs as configured	Starting at 6.3 lb including 8 cell battery	~6.1 lbs w/6 cell	6.4 Lbs
Display Size	15.4 WXGA+ LED	15.4-inch diagonal WXGA anti-glare (1280x800)	15.4" Anti-Glare WSXGA+	15.4" WSXGA+ TFT, w/CCFL Backlight
Processor / Front Side Bus	Intel® Core™ 2 Duo T9400 (2.53GHz, 6M, 1.066Mhz)	Intel® Core™ 2 Duo T9400 (2.53GHz, 6M, 1.066Mhz)	Intel® Core™ 2 Duo T9400 (2.53GHz, 6M, 1.066Mhz)	Intel® Core™ 2 Duo T9400 (2.53GHz, 6M, 1.066Mhz)
BIOS Configuration	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive
Operating System	Windows Vista Business w/NTFS & downgrade option to XP Pro	Genuine Windows Vista® Business with downgrade to Windows® XP Professional custom installed	Windows Vista Business w/NTFS & downgrade option to XP Pro	Genuine Windows Vista Business Down Grade to Genuine Windows XP Professional. All Models will be shipped this way unless specified otherwise on PO from LA County
RAM Standard	4GB DDR2 SDRAM, 800MHz, 2 DIMMs	4096MB (800-MHz, DDR2, 2DIMM)	Up to 4GB (2GB x 2) DDR3 1066Mhz	4 GB PC3-8500 DDR3 SDRAM 1067MHz SODIMM Memory (2 DIMM)
DIMM Slots	2	2	2	2
Hard Disk / Controller	160GB 7200rpm with Free Fall	160-GB SATA Hard Drive (7200 RPM) HP DriveGuard Technology	120GB 7200RPM (shock mounted, protected by shock sensor)	160 GB Hard Disk Drive, 7200rpm, ThinkPad Shock Mounted Hard Drive, Active Protection System
Removable Storage	8X DVD+/-RW, Roxio, Cyberlink PowerDVD™	Internal DVD+/-RW SuperMulti with Double Layer LightScribe Drive, Roxio Creator Business, Intervideo WinDVD-DVD Player	Modular DVD-RW (Roxio, Cyberlink Power DVD)	DVD Recordable 8x Max Dual Layer
PC Card Slot	Yes	ExpressCard/54 slot	Type 1 or Type II	One Express Card Type I or II
Video Graphics	nVidia 256MB	ATI Mobility Radeon HD 3650 (256MB)	NVIDIA GeForce 9300M GS (256MB)	ATI Mobility Radeon HD 3470
Sound	High Definition Audio	High Definition Audio	High Definition Audio	HD Audio
Network Interface	Intel® Gigabit LAN 10/100/1000	Intel Gigabit Network Connection (10/100/1000 NIC)	Intel® Gigabit LAN 10/100/1000	Intel 82567LM Gigabit
Wireless Interface	Intel WiFi Link 5300	Intel 802.11a/b/g/draft n	Intel WiFi Link 5300 (802.11 a/b/g/draft n)	Intel WiFi Link 5100 (AGN)
Bluetooth Interface	Bluetooth 370	Yes - Integrated Bluetooth® Wireless Technology (factory configurable only)	Yes	Yes
Modem Interface	Optional internal Modem	56K v.92 high speed	56K v.92	56K v.92
USB 2.0 Connections	4	4	4	3
Serial Connection(9pin, 16550)	0	0	1	0
VGA Out	1	1	1	1
Headphone/Speaker Line-out	1	1	1	1
Integrated Microphone	Yes	Yes	1	Yes
Battery	9 Cell	8-cell Lithium-Ion available as primary battery only	8 cell	9 Cell Li-Ion
AC Adapter	90 Watt	120 watt Smart AC adapter Touchpad with scroll zone	100 Watt	90 Watt
Mouse	Yes	Touchpad buttons Volume scroll zone with up/down LED indicators, mute button	Touch pad	Touch Pad & Trackpoint
Keyboard	Yes	101/102-key	84 key US	89 Key Spill resistant
Cable Lock Slots	Yes	Kensington Lock Slot	Yes	Yes
Biometrics	not included/ available as option	HP Fingerprint Sensor	Authentic Fingerprint Sensor	Fingerprint Sensor
Warranty	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive
Upgrade Options				
Display	WUXGA 1900 x 1200	15.4-inch diagonal WSXGA+ anti-glare (1680 x 1050 resolution) Ambient light sensor, Integrated lid switch, HP Privacy Filter support	15.4" Crystal View WXGA	
Mobile Broadband	AT&T built-in broadband, (HSDPA 3.6)	HP un2400 EVDO/HSPA Mobile Broadband Module		AT&T built-in broadband, (HSDPA 3.6)
Mobile Broadband	Sprint built-in broadband, (EV-DO Rev A)	HP un2400 EVDO/HSPA Mobile Broadband Module		
Mobile Broadband	Verizon Wireless built-in broadband, (EV-DO Rev A)	HP un2400 EVDO/HSPA Mobile Broadband Module		Verizon Wireless built-in broadband, (EV-DO Rev A)
Biometrics	UPEK® Fingerprint Reader			
Additional Warranty	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)
Accessories				
Battery	12-Cell High Capacity Battery Slice	HP 12-Cell Ultra Capacity Battery	modular bay battery (6 cell)	3 Cell Ultrabay Battery
Port Replicator	E-Port Plus No RJ11 port	HP Basic Docking Station: Serial, Parallel, PS/2, 4 USB, VGA, DVI-D, audio, RJ-45, RJ-11		ThinkPad Essential Port Replicator 250510W Four USB 2.0 ports, one PS/2 port for mouse, and VGA for monitor Gigabit Ethernet (RJ-45) and modem (RJ-11)
Docking Station		HP Advanced Docking Station: Serial, Parallel, PS/2, 4 USB, VGA, DVI-D, audio, RJ-45, RJ-11, Multi-bay	Serial, Parallel, DVID, VGA, PS/2, 4 USB 2.0, headphone/line-out, microphone/line-in, RJ-45	ThinkPad Advanced Dock 47 250310U half-size PCI Express card slot, 5 USB 2.0 ports, 1 PS/2 port for mouse, serial, and parallel, Microphone in, headphone out, SPDIF (digital audio), DVI-D, VGA, Gigabit Ethernet (RJ-45) and modem (RJ-11), Ultrabay Enhanced for device expansion - Supports Ultrabay Enhanced DVD, CD-RW/DVD-ROM combo and Multi-Burner drives, second ThinkPad hard drive
Monitor Stand	Flat Panel Display Stand. Requires purchase of E-Port Plus	HP Adjustable Notebook Stanc		Monitor Stand
Additional Information				
Dimensions (W x D x H)	14.1 x 10.1 x 1.08-1.3	14.0 x 10.4 x 1.1	14.06 x 10.12 x 1.4-1.44	14.1 x 10 x 1.3
Expected Battery Life(hrs)	Up to 10 hrs: 9 cell Up to 19.6hrs: 9 cell + slice	Primary battery Up to 4 hours and 45 minutes, Primary battery and optional HP Extended Life Battery Up to 6 hours and 30 minutes, Primary battery and optional HP Ultra-Capacity Battery Up to 10 hours and 45 minutes	~3 hrs 30 min (NVIDIA, WXGA)	Up to 9.4
Recharge Time(hrs)	Uner 2hrs per battery	HP Fast Charge recharges your battery up to 90% within 90 minutes when the system is off. HP Fast Charge does not apply to 12-cell Ultra-Capacity batteries	~3.5	2 Hours 40 Minutes
TPM 1.2+	Yes	Yes	Yes	Yes
vPro	Optional	Yes	Yes	Yes
FEB 2009 PRICE	\$1,259.07	\$1,257.92	\$2,127.84	\$1,262.58






**PERFORMANCE 17"
LAPTOP
CONFIGURATION 8
COMPARISON**



	DELL PRECISION M6400	HP ELITEBOOK 8730W	LENOVO THINKBOOK W700
Weight	Approx 8.7 lbs as configured	Starting at 7.5 lb including 8-cell battery	8.4Lbs
Display Size	17"WUXGA LCD	17-inch diagonal WUXGA (1920x1200)	17.0" WUXGA(1920x1200) CCFL Backlight
Processor / Front Side Bus	Intel® Core™ 2 Duo T9600 (2.80GHz, 6M, 1.066Mhz)	Intel® Core™ 2 Duo T9600 (2.80GHz, 6M, 1.066Mhz)	Intel® Core™ 2 Duo T9600 (2.80GHz, 6M, 1.066Mhz)
BIOS Configuration	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive
Operating System	Windows Vista Business w/NTFS & downgrade option to XP Pro	Genuine Windows Vista® Business with downgrade to Windows® XP Professional custom installed	Genuine Windows Vista Business Down Grade to Genuine Windows XP Professional.
RAM Standard	4GB DDR2 SDRAM, 800MHz, 2 DIMMs	4096MB (800-MHz, DDR2, 2DIMM)	4 GB PC3-8500 DDR3 SDRAM 1067MHz SODIMM Memory (2 DIMM)
DIMM Slots	4	2	2
Hard Disk / Controller	160GB Hard Drive, 7200RPM, Free Fall Sensor	160-GB SATA Hard Drive (7200 RPM)	160 GB Hard Disk Drive, 7200rpm. ThinkPad Shock Mounted Hard Drive, Active Protection System
Removable Storage	8X DVD+-RW, Roxio, Cyberlink PowerDVD™	8x DVD+-RW SuperMulti with Double Layer LightScribe Drive	DVD Recordable 8x Max Dual Layer
PC Card Slot	No PC Card, ExpressCard 54 w/8-in-1 card reader	ExpressCard/54 slot	Compact Flash + Express Card(34mm)
Video Graphics	nVidia FX2700M (512MB)	NVIDIA Quadro FX 2700M (512MB)	NVIDIA Quadro FX 2700M 48-core CUDA parallel computing processor 512MB
Sound	High Definition Audio	High Definition Audio	High Def Audio AD1984HD
Network Interface	Intel® Gigabit LAN 10/100/1000	Intel Gigabit Network Connection (10/100/1000 NIC)	Intel 82567LM Gigabit Network Connection
Wireless Interface	Intel WiFi Link 5300	Intel 802.11a/b/g/draft n	Intel 5300 a/b/g/n
Bluetooth Interface	Bluetooth 370	Yes	Bluetooth 2.0
Modem Interface	Not available	56K v.92 high speed modem	56K6 V.9229 modem in Communications Daughter Card socket
USB 2.0 Connections	4	4	5
Serial Connection (9pin, 16550)	0	0	0
VGA Out	1	1	1
Headphone/Speaker Line-out	1	1	1
Integrated Microphone	Yes	Yes	Yes
Battery	9 cell battery	8-cell (73 WHr) Lithium-Ion battery available as primary battery	9 Cell Li-Ion
AC Adapter	210 Watt	150 watt Smart AC adapter	170 Watt
Mouse	Touch pad / Track stick	Touchpad with scroll zone, Touchpad buttons, Volume scroll zone with up/down LED indicators, mute button	Touch Pad & Trackpoint
Keyboard	87-Key US(Backlit)	101/102-key with HP Durakeys and HP Durafinish Technology	89 Key Spill Resistant plus 10-key numeric keypad on right side of keyboard
Cable Lock Slots	Yes	Kensington Lock Slot	Yes
Biometrics	not included/ available as a option	HP Fingerprint Sensor	Fingerprint Sensor
Warranty	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive
Upgrade Options			
Mobile Broadband	AT&T built-in broadband, (HSDPA 3.6)		
Mobile Broadband	Sprint built-in broadband, (EV-DO Rev A)		
Mobile Broadband	Verizon Wireless built-in broadband, (EV-DO Rev A)		
Biometrics	UPEK® Fingerprint Reader		
Additional Warranty	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)
Accessories			
Battery	9 cell battery	HP 12-cell Ultra-Capacity Battery	
Port Replicator	E-Port Plus No RJ11 port		
Docking Station		HP Basic Docking Station: Serial, Parallel, PS/2, 4 USB, VGA, DVI-D, audio, RJ-45, RJ-11	
Removable Storage		HP Advanced Docking Station; Serial, Parallel, PS/2, 6 USB, VGA, DVI-D, audio, RJ-45, RJ-11, Multi-bay	Provides desktop expansion and cable management for W700 Series Features: Security key lock, Security cable lock slot, External monitor ports: Analog DB-15, Dual-link DVI-D, DisplayPort, Four USB 2.0 ports, eSATA port, Gigabit ethernet port, Microphone in and headphone out, S/PDIF (RCA coaxial digital out)
Monitor Stand	Flat Panel Display Stand. Requires purchase of E-Port Plus	HP Adjustable Notebook Stand	
Additional Information			
Dimensions (W x D x H)	15.4 x 22.3 x 1.35-1.5	15.5 x 11.1 x 1.3	16.1 x 12.2 x 1.6
Expected Battery Life (.hrs)	Not available yet	Up to 4 hours and 15 minutes	Up to 2.3Hrs
Recharge Time (.hrs)	Under 2hrs per battery	HP Fast Charge recharges your battery up to 90% within 90 minutes when the system is off. HP Fast Charge does not apply to 12-cell Ultra-Capacity batteries	2 Hours 50 Minutes
TPM 1.2+	Yes	Yes	Yes
vPro		Yes	
FEB 2009 PRICE	\$2,015.46	\$2,104.71	\$2,080.50

SEMI-RUGGED LAPTOP CONFIGURATION 9 COMPARISON				
	DELL LATITUDE E6400 ATG	HP ELITEBOOK 6930P	LENOVO THINKBOOK T400	PANASONIC TOUGHBOOK CF 52
Weight	Approx 6 lbs as configured MIL-STD 810F on: Dust, Vibration, Humidity, Altitude	Starting at 5.1 lb with Upgrade Bay optical drive and 6-cell battery Business-rugged: Meets select MIL-Std-810F subset	5.6 Lbs	7.5lbs with Handle and Battery; CF-52 has been MIL Spec tested and test docs are included with this submission document.
Display Size	14.1 inch WXGA 750 nit	14.1-inch diagonal Illumi-Lite LED, WXGA WVA (1280 x 800 resolution)	14.1 WXGA TFT, w/ CCFL Backlight (1280x800)	15.4" widescreen 1920 x 1200 WLUXGA TFT active matrix color LCD
Processor / Front Side Bus	Intel® Core™ 2 Duo T9400 (2.53GHz, 6M, 1.066Mhz)	Intel® Core™ 2 Duo T9400 (2.53GHz, 6M, 1.066Mhz)	Intel® Core™ 2 Duo P8600 (2.40GHz, 3M, 1.066Mhz)	Intel® Core™ 2 Duo P8600 (2.40GHz, 3M, 1.066Mhz)
BIOS Configuration	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Included	Boot to Hard Disk Drive
Operating System	Windows Vista Business w/NTFS & downgrade option to XP Pro	Genuine Windows Vista® Downgrade to Windows XP Professional	Genuine Windows Vista Business Down Grade to Genuine Windows XP Professional.	Windows Vista Business w/NTFS & downgrade option to XP Pro
RAM Standard	4GB DDR2 SDRAM, 800MHz, 2 DIMMs	4096MB 800MHz DDR2 SDRAM (2 DIMM)	4 GB PC3-8500 DDR3 SDRAM 1067MHz SODIMM Memory (2 DIMM)	2GB standard expandable to 4GB ADD CF-WMBA602GIS (2Gb Ram)
DIMM Slots	2	2	2	2
Hard Disk / Controller	80GB Shock Mounted Hard Drive, 7200RPM	160GB 7200rpm SATA Hard Drive HP 3D DriveGuard	80 GB Hard Disk Drive, 5400rpm, ThinkPad Shock Mounted Hard Drive, Active Protection System	160GB shock mounted hard drive, 7200RPM
Removable Storage	8X DVD+/-RW, Roxio, Cyberlink PowerDVD™	DVD RW LS UB 6930p Optical Drive	DVD Recordable 8x Dual Layer	DVD SuperMULTI Drive (8X DVD+/-RW) with Dual Layer Support, BHA B's Clip Software Included
PC Card Slot	Yes	ExpressCard/54 slot	One Express Card Type I or II	PC card type II x 1 • SD card (SDHC) • ExpressCard/54 x 1 – with port cover
Video Graphics	Intel® 4500MHD	Intel® Graphics Media Accelerator X4500MHD, with up to 384 MB of shared system memory	Intel Graphics Media Accelerator 4500MHD	Intel® GM45 (GMA 4500MHD video controller)
Sound	High Definition Audio	High Definition Audio	HD Audio	Intel® High Definition Audio Interface 24bit full duplex stereo
Network Interface	Intel® Gigabit LAN 10/100/1000 w/port cover	Intel Gigabit Network Connection (10/100/1000 NIC)	Intel 82567LM Gigabit	10/100/1000 w port cover
Wireless Interface	Intel WiFi Link 5300	Intel WLAN 802.11a/b/g/n	Intel WiFi Link 5100 (AGN)	Intel® 802.11a/b/g/n
Bluetooth Interface	Bluetooth 370	Yes - HP Module with Bluetooth® Wireless Technology	Bluetooth 2.0	Yes
Modem Interface	Optional: Internal Modem	56K v.92 modem	56K V.92 modem	56k v.92
USB 2.0 Connections	4 included	3	3	4 – USB 2.0 with port covers
Serial Connection (pin, 16550)	0	0	0	1 serial with port cover
VGA Out	1	1	1	1 VGA
Headphone/Speaker Line-out	1	1	1	1 headphone/speaker w port cover
Integrated Microphone	Yes	Yes	Yes	Yes
Battery	9 Cell	6-cell (55 Whr) Li-Ion battery (primary battery standard)	6 Cell Li-Ion	9 cell battery included
AC Adapter	90 Watt	External 90-watt Smart AC adapter, 6-foot (1.8 meter) power cord	65 Watts	Wide voltage range AC adapter; included. Dual voltage 110-120V 50/60 Hz
Mouse	Touch pad / Track stick, Dust & Spill Resistant	Enhanced dual pointing devices (touchpad and pointstick with scroll zone)	UltraNav (TrackPoint and TouchPad)	Touchpad – dust & spill resistant; MIL Spec Tested & certified
Keyboard	Yes (Backlit)	HP DuraKeys 101/102 Key	Full Size 89 Key	87-key US; dust & spill resistant; MIL Spec tested & certified
Cable Lock Slots	Yes	Kensington Lock Slot	Yes	Yes
Biometrics	not included/ available as a option	HP Fingerprint Sensor	Fingerprint Reader	no
Warranty	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive
Upgrade Options				
Hard Disk / Controller			64 GB Solid State Drive, Serial ATA	
Mobile Broadband	AT&T built-in broadband, (HSDPA 3.6)	HP un2400 EVDO/HSPA Mobile Broadband Module	AT&T built-in broadband, (HSDPA 3.6)	GOBI 3G Global Mobile Internet (WWAN) Connectivity for ATT, Sprint, Verizon
Mobile Broadband	Sprint built-in broadband, (EV-DO Rev A)	HP un2400 EVDO/HSPA Mobile Broadband Module		GOBI 3G Global Mobile Internet (WWAN) Connectivity for ATT, Sprint, Verizon
Mobile Broadband	Verizon Wireless built-in broadband, (EV-DO Rev A)	HP un2400 EVDO/HSPA Mobile Broadband Module	Verizon Wireless built-in broadband, (EV-DO Rev A)	GOBI 3G Global Mobile Internet (WWAN) Connectivity for ATT, Sprint, Verizon
Biometrics	UPEK® Fingerprint Reader			UPEK® Fingerprint Reader
Additional Warranty	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Year. NBD Onsite, Accidental Damage, Keep Hard Drive (SKU changes 3 years to 4 years)
Accessories				
Battery	12 Cell Slice	HP 12-cell Ultra-Capacity Battery	3 Cell Ultrabay Battery	no
Port Replicator	E-Port Plus No RJ11 port	HP Basic Docking Station: Serial, Parallel, PS/2, 4 USB, VGA, DVI-D, audio, RJ-45, RJ-11		Port Replicator - Bus connect w/ I/O ports: 4 USB, VGA, RJ-45, DC IN.
Docking Station		HP Advanced Docking Station: Serial, Parallel, PS/2, 6 USB, VGA, DVI-D, audio, RJ-45, RJ-11, Multi-bay	ThinkPad Essential Port Replicator 250510W Four USB 2.0 ports, one PS/2 port for mouse, and VGA for monitor	
Removable Storage			ThinkPad Advanced Dock 47 250310U half-size PCI Express card slot, 5 USB 2.0 ports, 1 PS/2 port for mouse, serial, and parallel, Microphone in, headphone out, S/PDIF (digital audio), DVI-D, VGA, Gigabit Ethernet (RJ-45) and modem (RJ-11), Ultrabay Enhanced for device expansion - Supports Ultrabay Enhanced DVD, CD, RW/DVD-ROM combo and Multi-Burner drives, second ThinkPad hard drive	
Monitor Stand	Flat Panel Display Stand. Requires purchase of E-Port Plus	HP Monitor Stand	Monitor Stand	
Additional Information				
Dimensions (W x D x H)	13.4 x 9.59 x 1.29-1.45	13.03 x 9.57 x 1.23	13.2 x 9.4 x 1.1-1.3	14 x 11.3 x 2
Expected Battery Life (hrs)	With SSD: Up to 15hrs: 9 cell + slice	Up to 6 hours and 15 minutes	6-cell: up to 6.5 hr	7 hours
Recharge Time (hrs)	Less than 2hrs per battery	HP Fast Charge technology recharges your battery up to 90% within 90 minutes when the system is off	2 Hours 10 Minutes	Power on/power off - 7hrs/4.5hrs
TPM 1.2+	Yes	Yes	Yes	Yes
vPro	Optional	Yes	Yes	vPro
FEB 2009 PRICE	\$1,591.75	\$1,199.50	\$1,337.49	\$2,317.70

RUGGED LAPTOP CONFIGURATION 10 COMPARISON				
	DELL LATITUDE E6400 XFR	LENOVO THINKBOOK X400	PANASONIC TOUGHBOOK CF 30 (Non-touch)	PANASONIC TOUGHBOOK CF 30 (Touch)
Weight	Approx 9.1 lbs as configured Fully MIL-STD-810F compliant	5.6 Lbs	8.4 lbs, Solid Die Cast Chassis, (MIL-STD-810F compliant)	8.4 lbs, Solid Die Cast Chassis, (MIL-STD-810F compliant)
Display Size	14.1 WXGA 500 nits + DirectVue advanced optics	14.1 WXGA TFT, w/ CCFL Backlight (1280x800)	13.3" XGA, 500nit (NonTouch) for daylight readable, Shock Mounted-Ruggedized Screen	13.3" XGA, 1000nit (Touch) for daylight readable, Shock Mounted-Ruggedized Screen
Processor / Front Side Bus	Intel® Core™ 2 Duo T7500 (2.2GHz, 4M, 800MHz)	Intel® Core™ 2 Duo P8600 (2.40GHz, 3M, 1066MHz)	Intel® Core™ 2 Duo SL7300 (1.6GHz LV, 4M, 1066MHz)	Intel® Core™ 2 Duo SL7300 (1.6GHz LV, 4M, 1066MHz)
BIOS Configuration	Boot to Hard Disk Drive	Included	Boot to Hard Disk Drive	Boot to Hard Disk Drive
Operating System	Windows Vista Business w/NTFS & downgrade option to XP Pro	Genuine Windows Vista Business Down Grade to Genuine Windows XP Professional.	Windows Vista Business w/NTFS & downgrade option to XP Pro	Windows Vista Business w/NTFS & downgrade option to XP Pro
RAM Standard	4GB DDR2 SDRAM, 800MHz, 2 DIMMs	4 GB PC3-8500 DDR3 SDRAM 1067MHz SODIMM Memory (2 DIMM)	Base unit-2GB RAM Upgradable to 4GB on standard model ADD CF-WRBA602GIS (preinstalled 2Gb to total 4Gb RAM	Base unit-2GB RAM Upgradable to 4GB on standard model ADD CF-WMBA602GIS (preinstalled 2Gb to total 4Gb RAM
DIMM Slots	2	2	2	2
Hard Disk / Controller	80GB Shock Mounted Hard Drive, 5400RPM	80 GB Hard Disk Drive, 5400rpm, ThinkPad Shock Mounted Hard Drive, Active Protection System	160 GB SATA Shock mounted-end user removable ; 5400RPM; MIL SPEC tested & certified	160 GB SATA Shock mounted-end user removable ; 5400RPM; MIL SPEC tested & certified
Removable Storage	8X DVD+/-RW, Roxio, Cyberlink PowerDVD™	DVD Recordable & Max Dual Layer	DVD SuperMULTI Drive (8X DVD+/-RW) with Dual Layer Support, BHA B's Clip Software Included	DVD SuperMULTI Drive (8X DVD+/-RW) with Dual Layer Support, BHA B's Clip Included
PC Card Slot	Type I or Type II w/port cover	One Express Card Type I or II	1 Type II open and 1 ExpressCard Slot sealed with cover	1 Type II open and 1 ExpressCard Slot sealed with cover
Video Graphics	Intel® Graphics Media Accelerator X3100	Intel Graphics Media Accelerator 4500MHD	Intel® 1423 GMB - integrated	Intel® 1423 GMB - integrated
Sound	High Definition Audio	HD Audio	Intel High Definition Audio Interface 24bit full duplex stereo	Intel High Definition Audio Interface 24bit full duplex stereo
Network Interface	Intel® Gigabit LAN 10/100/1000 w/port cover	Intel 82567LM Gigabit	Marvell Yukon 10/100/1000; sealed with cover; wake on-LAN capable	Marvell Yukon 10/100/1000; sealed with cover; wake on-LAN capable
Wireless Interface	Intel 4965 a/g/n draft	Intel WiFi Link 5100 (AGN)	IEEE 802.11 a/b/g/n	IEEE 802.11 a/b/g/n
Bluetooth Interface	Bluetooth 360	Bluetooth 2.0	Yes	Yes
Modem Interface	Yes	56K V.92 modem	56K v.92; Lite-on / RD02 - D110	56K v.92; Lite-on / RD02 - D110
USB 2.0 Connections	4	3	2 USB 2.0 ports – with sealed port covers (rubber)	2 USB 2.0 ports – with sealed port covers (rubber)
Serial Connection (9pin, 16550)	1	0	1 serial port – with sealed port cover (rubber)	1 serial port – with sealed port cover (rubber)
VGA Out	1	1	1394 Firewire, RJ45, VGA, Audio Line in/out, Port Replicator- sealed port cover	1394 Firewire, RJ45, VGA, Audio Line in/out, Port Replicator- sealed port cover
Headphone/Speaker Line-out	1	1	1 w sealed port cover	1 w sealed port cover
Integrated Microphone	Yes	Yes	Yes	Yes
Battery	6 Cell battery	6 Cell Li-Ion	9 cell included	9 cell included
AC Adapter	90 Watt	65 Watts	Wide voltage range AC adapter; included, Dual voltage 110-120V 50/60 Hz, 80 Watt	Wide voltage range AC adapter; included, Dual voltage 110-120V 50/60 Hz, 80 Watt
Mouse	Touch pad / Track stick, Dust & Spill Resistant	UltraNav (TrackPoint and TouchPad)	Touchpad – pressure sensitive; Dust & spill resistant; MIL Spec tested & certified	Touchpad – pressure sensitive; Dust & spill resistant; MIL Spec tested & certified
Keyboard	87-Key US, Dust & Spill Resistant	Full Size 89 Key	87-key US, Dust & Spill resistant; MILSpec tested & certified	87-key US, Dust & Spill resistant; MILSpec tested & certified
Cable Lock Slots	Yes	Yes	Yes	Yes
Biometrics	UPEK® Fingerprint Reader	Fingerprint Reader	Not included, available as option	Not included, available as option
Warranty	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive
Upgrade Options				
Hard Disk / Controller	64GB Solid State	64 GB Solid State Drive, Serial ATA		
Mobile Broadband	no	AT&T built-in broadband, (HSDPA 3.6)	GOBI 3G Global Mobile Internet (UNDP 7.2bps) Connectivity for ATT, Sprint, Verizon	GOBI 3G Global Mobile Internet (WWAN) Connectivity for ATT Sprint, Verizon
Mobile Broadband	Sprint built-in broadband, (EV-DO Rev A)		GOBI 3G Global Mobile Internet (UNDP 7.2bps) Connectivity for ATT, Sprint, Verizon	GOBI 3G Global Mobile Internet (WWAN) Connectivity for ATT Sprint, Verizon
Mobile Broadband	Verizon Wireless built-in broadband, (EV-DO Rev A)	Verizon Wireless built-in broadband, (EV-DO Rev A)	GOBI 3G Global Mobile Internet (UNDP 7.2bps) Connectivity for ATT, Sprint, Verizon	GOBI 3G Global Mobile Internet (WWAN) Connectivity for ATT Sprint, Verizon
Biometrics			UPEK® Fingerprint Reader	UPEK® Fingerprint Reader
Additional Warranty	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)
Accessories				
Battery	6 cell	3 Cell Ultrabay Battery	Multi-Media Bay-9 Cell	Multi-Media Bay - 9 Cell
Port Replicator	Port Replicator		Bus connect w/ I/O ports: Serial, Parallel, 2 PS/2, 4 USB, VGA, DVI, Audio, RJ-45, RJ-11	Bus connect w/ I/O ports: Serial, Parallel, 2 PS/2, 4 USB, VGA, DVI, Audio, RJ-45, RJ-11
Docking Station	Docking Station	ThinkPad Essential Port Replicator 250510W Four USB 2.0 ports,		
Removable Storage		ThinkPad Advanced Dock 47 250310U		
Monitor Stand	Monitor Stand	Monitor Stand		
Additional Information				
Dimensions (W x D x H)	13.9 x 10.2 x 2.6	13.2 x 9.4 x 1.1-1.3	11.9 x 11.3 x 2.8	11.9 x 11.3 x 2.8
Expected Battery Life (hrs)	Up to 4:35	6-cell: up to 6.5 hr	Approx 7 hrs	Approx 7 hrs
Recharge Time (hrs)	Under 2 hrs	2 Hours 10 Minutes	Power on/power off 7hrs/4.5hrs	Power on/power off 7hrs/4.5hrs
TPM 1.2+	Yes	Yes	Yes	Yes
vPro		Yes	Yes	Yes
FEB 2009 PRICE	\$3,025.77	\$1,213.74	\$2,964.51	\$3,541.95

CONVERTIBLE-PORTABLE LAPTOP CONFIGURATION 11					
	DELL LATITUDE XT	HP ELITEBOOK 2710P	LENOVO THINKBOOK X200	PANASONIC TOUGHBOOK CF 19 (Touch)	PANASONIC TOUGHBOOK CF 19 (Digitizer)
Weight	Approx 9.1 lbs as configured Fully MIL-STD-810F compliant	Starting from 3.74 lb (1.70 kg) including 6-cell battery	3.88Lb	5.1lbs includes Battery, Rugged, Lightweight, Wireless and Convertible Tablet PC	5.1lbs includes Battery, Rugged, Lightweight, Wireless and Convertible Tablet PC
Display Size	14.1 WXGA 500 nits + DirectVue advanced optics (1280 x 800)	12.1 inch diagonal Illumi-Lite WVA WXGA anti-glare (1280 x 800)	12.1" WideView MultiTouch + MultiView LED backlit WXGA panel	10.4", 1024x768, daylight readable 1000nit active matrix color LCD, Touch only	10.4", 1024x768, daylight readable 1000nit active matrix color LCD, Digitizer or Touch functionality included.
Processor / Front Side Bus	Intel® Core™ 2 Duo T7500 (2.2GHz, 4M, 800MHz)	Intel® Core™ 2 Duo LV SL9400 (1.86GHz, 6M, 1,066MHz)	Intel® Core™ 2 Duo SL9400 (1.86GHz, 6M, 1,066MHz)	Intel® Core™ 2 Duo SU9300 (1.20 GHz, 3M, 667MHz)	Intel® Core™ 2 Duo SU9300 (1.20 GHz, 3M, 667MHz)
BIOS Configuration	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive
Operating System	Windows Vista Business w/NTFS & downgrade option to XP Pro	Genuine Windows Vista® Business with downgrade to Windows XP Professional custom installed	Genuine Windows Vista Business Down Grade to Genuine Windows XP Professional	Windows Vista Business w/NTFS & downgrade option to XP Pro SP2	Windows Vista Business w/NTFS & downgrade option to XP Tablet SP2
RAM Standard	4GB DDR2 SDRAM, 800MHz, 2 DIMMs	3072MB 800 MHz DDR2 SDRAM (2 DIMM)	3 GB PC3-8500 DDR3 SDRAM 1067MHz SODIMM Memory (2 DIMM)	Base model 2Gb Ram add 1GB CF-WMBA601GIS to 3 Gb Total (upgradable to 4GB), 667MHz, 2 DIMMS	Base model 2Gb Ram add 1GB CF-WMBA601GIS to 3 Gb Total (upgradable to 4GB), 667MHz, 2 DIMMS
DIMM Slots	2	2	2	2	2
Hard Disk / Controller	80GB Shock Mounted Hard Drive, 5400RPM	80 GB 1.8" 5400rpm SATA Hard Drive	80GB Hard Disk Drive, 5400rpm, ThinkPad Shock Mounted Hard Drive, Active Protection System	160 GB SATA Shock mounted-end user removable ; 5400RPM, MIL SPEC tested & certified	160 GB SATA Shock mounted-end user removable ; 5400RPM, MIL SPEC tested & certified
Removable Storage	8X DVD+-RW, Roxio, Cyberlink PowerDVD™	not included/ available as a option	not included/ available as a option	USB BUS powered EXTERNAL CD-RW/DVD COMBO DRIVE Roxio.	USB BUS powered EXTERNAL CD-RW/DVD COMBO DRIVE Roxio.
PC Card Slot	Type I or Type II w/port cover	ExpressCard/54 slot	One Express Card Type I or II	Type II x1 and Express /34 or /54 x1. All sealed with cover	Type II x1 and Express /34 or /54 x1. All sealed with cover
Video Graphics	Intel® Graphics Media Accelerator X3100	Mobile Intel® Graphics Media Accelerator 4500MHD, up to 384 MB of shared memory	Intel Graphics Media Accelerator 4500MHD	Intel GS45, Integrated, 384MB Shared	Intel 965GM, Integrated, 384MB Shared
Sound	High Definition Audio	High Definition Audio	HD Audio	Sigmatel, Integrated, 16-bit SB Compatible	Sigmatel, Integrated, 16-bit SB Compatible
Network Interface	Intel® Gigabit LAN 10/100/1000 w/port cover	Integrated Intel Gigabit Network Connection (10/100/1000 NIC)	Intel 82567LM Gigabit	Marvell Yukon 10/100/1000, Wakeon-LAN capability	Marvell Yukon 10/100/1000, Wakeon-LAN capability
Wireless Interface	Intel 4965 a/g/n draft	Integrated 802.11 a/b/g/draft-n	Intel WiFi Link 5100 (AGN)	Intel 802.11b/g/n	Intel 802.11b/g/n
Bluetooth Interface	Bluetooth 360	HP Integrated Module with Bluetooth® Wireless Technology	Yes	Yes	Yes
Modem Interface	Yes	56K v.92 modem	56K v.92 Modem	Lite-on / RD02 - D110 56K	Lite-on / RD02 - D110 56K
USB 2.0 Connections	4	2	3	2 USB 2.0 ports	2 USB 2.0 ports
Serial Connection (9pin, 16550)	1	0	0	1 serial port	1 serial port
VGA Out	1	1	1	1394 Firewire, RJ45, VGA, Audio Line in/out, Port Replicator--all ports are covered	1394 Firewire, RJ45, VGA, Audio Line in/out, Port Replicator--all ports are covered
Headphone/Speaker Line-out	1	1	1	1	1
Integrated Microphone	Yes	Yes	Yes	Yes	Yes
Battery	6 Cell battery	6-cell (44 Whr) high capacity Lithium-Ion with fuel-gauge LEDs	6 Cell Li-Ion	9 cell Included	9 cell Included
AC Adapter	90 Watt	HP 65W Smart AC Adapter	65 Watt	A/C adapter included. Dual voltage 110-120V 50/60 Hz, 60 Watt	A/C adapter included. Dual voltage 110-120V 50/60 Hz, 60Watt
Mouse	Touch pad / Track stick, Dust & Spill Resistant	Dual pointing (Touchpad with scroll zone and Pointstick each with two pick buttons) Digital Eraser Pen with tether and clip	Track Point	Touchpad and Touchscreen	Touchpad and Electronic Pen (Stylus) or Touchscreen
Keyboard	87-Key US, Dust & Spill Resistant	HP Durakeys and HP Durafinish 101/102-key US	Full Size 89 Key	87-Key US	87-Key US
Cable Lock Slots	Yes	Kensington Lock Slot	Yes	Cable lock slot	Cable lock slot
Biometrics	UPEK® Fingerprint Reader	Fingerprint Reader	Fingerprint Reader	not included/ available as option	not included/ available as option
Warranty	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive
Upgrade Options					
Hard Disk / Controller	64GB Solid State				
Display		12.1 inch diagonal Illumi-Lite WVA WXGA anti-glare Outdoor View		12.1"PDRC Disply (RoHS compliant) includes Backlit Keyboard	12.1"PDRC Disply (RoHS compliant) includes Backlit Keyboard
Battery					
Mobile Broadband	Sprint built-in broadband, (EV-DO Rev A)	HP n2400 EVDO/HSPA Mobile Broadband Module	AT&T built-in broadband, (HSDPA 3.6)	Gobi 3G Global Mobile Internet (UNDP 7.2bps) Connectivity for ATT, Sprint, Verizon	Gobi 3G Global Mobile Internet (UNDP 7.2bps) Connectivity for ATT, Sprint, Verizon
Mobile Broadband	Verizon Wireless built-in broadband, (EV-DO Rev A)	HP n2400 EVDO/HSPA Mobile Broadband Module	Verizon Wireless built-in broadband, (EV-DO Rev A)	Gobi 3G Global Mobile Internet (UNDP 7.2bps) Connectivity for ATT, Sprint, Verizon	Gobi 3G Global Mobile Internet (UNDP 7.2bps) Connectivity for ATT, Sprint, Verizon
Mobile Broadband		HP n2400 EVDO/HSPA Mobile Broadband Module		Gobi 3G Global Mobile Internet (UNDP 7.2bps) Connectivity for ATT, Sprint, Verizon	Gobi 3G Global Mobile Internet (UNDP 7.2bps) Connectivity for ATT, Sprint, Verizon
Biometrics				UPEK fingerprint reader, optional upgrade	UPEK fingerprint reader, optional upgrade
Additional Warranty	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)
Accessories					
Battery	6 cell	HP 2700 Ultra-Slim 6-cell Battery			
Port Replicator	Port Replicator	HP Tablet Docking Station: 0 Serial, 0 Parallel, 0 PS/2, 4 USB , 1 VGA, 0 DVI, audio, 1 RJ-45, 0 RJ-11			
Docking Station	Docking Station		X200 Ultrabase: 4 USB, RJ-45, VGA, Display Port, microphone in, headphone out, integrated battery charger for Spare battery charging	Quick Connect/Release Desktop Port Replicator for the CF-18 CF-19 with LAN, PS/2, Serial (2), USB 2.0 (4), Video Out, Headphone and Mic, DC in 16V, and Driver CD.**AC Adaptor NOT included	Quick Connect/Release Desktop Port Replicator for the CF-18 CF-19 with LAN, PS/2, Serial (2), USB 2.0 (4), Video Out, Headphone and Mic, DC in 16V, and Driver CD.**AC Adaptor NOT included
Removable Storage		External HP External MultiBay II and HP MultiBay II DVD+-RW Combo Drive (Use with MultiBay II bay/cradle)	ThinkPad 8X DVD Burner Ultrabay Slim Serial ATA Drive Must be used with X200 Ultrabase(43R8781)	USB BUS powered EXTERNAL CD-RW/DVD COMBO DRIVE Roxio.	USB BUS powered EXTERNAL CD-RW/DVD COMBO DRIVE Roxio.
Monitor Stand	Monitor Stand		Monitor Stand		
Additional Information					
Dimensions (W x D x H)	13.9 x 10.2 x 2.6	11.42 x 8.35 x 1.11	11.6 x 10.1 x 1.3	10.7 x 8.5 x 1.93	10.7 x 8.5 x 1.93
Expected Battery Life (hrs)	Up to 4:35	Up to 6 hours and 15 minutes	10.3		
Recharge Time (hrs)	Under 2 hrs	HP Fast Charge recharges your battery up to 90% within 90 minutes when the system is off. Fast Charge does not apply to the optional HP 2700 Ultra-Slim Battery	1 Hour 50 Minutes		
TPM 1.2+	Yes	Yes	Yes	Yes	Yes
vPro		Yes		Yes	Yes
FEB 2009 PRICE	\$1,546.39	\$1,517.21	\$1,603.12	\$2,949.10	\$3,098.29

**CONVERTIBLE-DESKTOP REPLACEMENT
LAPTOP
CONFIGURATION 12
COMPARISON**



FUJITSU LIFEBOOK T5010

Weight	4.9 lbs (including optical and battery)
Display Size	13.3 inch Wide Screen WXGA w/Active Digitizer
Processor / Front Side Bus	Intel® Core™ 2 Duo T9400 (2.53GHz, 6M, 1,066Mhz)
BIOS Configuration	Boot to Hard Disk Drive
Operating System	Windows Vista Business w/NTFS & downgrade option to XP Pro
RAM Standard	3GB DDR3 SDRAM, 1066MHz, 2 DIMMs
DIMM Slots	2
Hard Disk / Controller	160GB Hard Drive, 7200RPM Free Fall Sensor
Removable Storage	8X DVD+/-RW, Roxio, Cyberlink PowerDVD™
PC Card Slot	Type I or Type II
Video Graphics	Intel® Graphics Media Accelerator 4500 MDH
Sound	High Definition Audio
Network Interface	Intel® Gigabit LAN 10/100/1000
Wireless Interface	Intel 802.11b/g/n
Bluetooth Interface	Yes
Modem Interface	56K v.92
USB 2.0 Connections	3
Serial Connection (9pin, 16550)	0
VGA Out	1
Headphone/Speaker Line-out	1
Integrated Microphone	Yes (Dual Array)
Battery	6 Cell
AC Adapter	80 Watt
Mouse	Touchpad / Pen
Keyboard	84-key US keyboard, spill-resistant
Cable Lock Slots	Yes
Biometrics	Authentic Fingerprint Reader
Warranty	3 Year NBD Onsite, Accidental Damage, Keep Hard Drive
Upgrade Options	
Display	13.3 inch Wide Screen WXGA Indoor/Outdoor
Additional Warranty	1 additional Yr. NBD Onsite, Accidental Damage, Keep Hard Drive (changes 3 years to 4 years)
Accessories	
Battery	Hi-Capacity 6-Cell
Port Replicator	4x USB 2.0, Power, VGA, DVI, HDMI, Audio Line out, LAN, Suspend/Resume button
Additional Information	
Dimensions (W x D x H)	12.56 x 9.61 x 1.44-1.52
Expected Battery Life (.hrs)	Standard 6-cell: Up to 3:45 hrs; Main + Modular bay battery: Up to 6:45 hr
Recharge Time (.hrs)	6.6 hours
TPM 1.2+	Yes
vPro	Yes
FEB 2009 PRICE	\$2,192.78