

# Toughbook CF-30

Panasonic recommends Windows Vista Business



Mobile Computing Platform	Intel® Centrino® Duo Processor Technology – Intel® Core™ 2 Duo Processor L7500 (1.6GHz, 4MB L2 cache, 800MHz FSB) – Mobile Intel® GM965 Express Chipset – Intel® Wireless WiFi Link 4965AGN, supporting IEEE 802.11a/b/g (max. 54Mbps)	
OS	Genuine Windows Vista® Business or Genuine Windows® XP Professional	
RAM	1GB DDR2-533 SDRAM (expandable to 2GB + 2GB on project basis)	
Graphic Chip	Intel® GM965 graphics controller; UMA (Windows® XP: max. 384MB; Windows Vista®: max. 251MB with 1GB RAM)	
HDD	80GB (shock resistant; withstands a 90cm drop)	
LCD	13.3" anti-glare high-brightness XGA Active Matrix (TFT) colour LCD with touchscreen (up to 1000cd/m <sup>2</sup> ) 1024 x 768 pixels (XGA), 16 million colours	
LCD Cabinet	Full magnesium alloy	
Bluetooth™	Version 2.0 + EDR; slide on/off switch	
WLAN	IEEE 802.11a/b/g (max. 54Mbps); slide on/off switch	
LAN	IEEE 802.3 10 Base-T, IEEE 802.3u 100 Base-TX, IEEE 802.3ab 1000 Base-T	
Modem	Data: 56kbps (V.92), FAX: 14.4kbps	
Sound	Supporting Intel® High Definition Audio Subsystem WAVE and MIDI playback, software control of sound volume (FN + F5/F6 keys), monaural speaker	
Input Devices	Touchscreen, Touchpad and Keyboard with 88 keys	
Interfaces	Serial (16550A compatible): D-sub, 9-pin External display (VGA port): Mini D-sub, 15-pin Headphone: Mini-jack, 3.5 DIA Microphone: Mini-jack, 3.5 DIA DC In: Jack USB 2.0: 3x 4-pin Modem: RJ-11 LAN: RJ-45 Firewire (IEEE1394a): 1x 4-pin External Antenna: 1x (Dedicated 50Ω coaxial connector) Port Replicator: 80-pin	
Expansion Slots	PC Card: 1x Type I or 1x Type II (3.3V: 400mA, 5V: 400mA) Express Card: 1x ExpressCard/34 or ExpressCard/54 SD Memory Card: 1x (Data transfer rate = 8MB per second) Optional RAM Module: 1x SO-DIMM (200-pin, 1.8V, DDR2 SDRAM, PC2-4200 Compliant)	
Power	AC Adapter: Battery: Battery life: Charging time:	Input: 100 ~ 240V AC, 50Hz/60Hz; Output: 15.6V DC, 5.0A Li-ion (10.65V, 8.55Ah) Approx. 7 hours (Mobile Mark™ 2005, Windows® XP model, 60cd/m <sup>2</sup> LCD brightness) Power on: approx. 8.5 hours
Power Management Software	Standby function, Hibernation function, ACPI BIOS Windows® Media Player, Adobe® Reader, Intel® Matrix Storage Manager, Intel® PRO/Wireless Software*, Bluetooth® Stack for Windows® by TOSHIBA, Wireless Switch Utility, Panasonic Hand Writing, DMI Viewer, PC Information Viewer, SD Utility*, Battery Recalibration Utility, Infineon TPM Professional Package, Recover Pro™ 6 or Recover Pro™ VX*, Hard Disk Data Erase Utility, Setup Utility, PC-Diagnostic Utility (* only Win XP model)	
Security Feature	Password security (supervisor password, user password, hard disk lock) TPM (Trusted Platform Module, TCG V1.2 compliant), integrated hardware security lock slot	
Dimensions (WxHxD)	302mm x 67.5mm/69.5mm* x 285mm, 11.9" x 2.7"/2.8" x 11.3" (excluding protrusions; * front/back)	
Weight	3.8kg / 8.4lb (including battery and carry handle – excluding dummy cards and dummy pack)	
Integrated Options	GPS, Fingerprint Reader, Smart Card Reader, UMTS/HSDPA module (up to 3.6Mbps)	
Accessories	1GB RAM module: CF-WMB A601G 2GB RAM module: CF-WRB A602G AC adapter: CF-AA1653AE, CF-AA1653AG, CF-AA1653AT Battery pack: CF-VZSU46U Battery pack (second Battery): CF-VZSU1430U (for Multimedia Pocket) Battery charger: CF-VCB TB1W Car-Mount: CF-WEB 301W Combo Drive Pack: CF-VDR 301U, CF-VDR 302U (for Multimedia Pocket) DVD Multi Drive Pack: CF-VDM301U, CF-VDM302U (for Multimedia Pocket) External FDD (USB): CF-VFDU03U Port Replicator: CF-VEB 272A2W	
Testing Standards	Water resistance test: IEC529 (JIS C0920) IP-X4, MIL-STD 810F 506.4-III Dust resistance test: IEC529 (JIS C0920) IP-5X, MIL-STD 810F 510.4-Level Gravity drop resistance test: MIL-STD 810F 516.5 (90cm drop) Vibration resistance test: MIL-STD 810F 514.5 category 24	

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