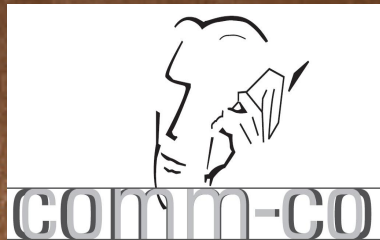


Panasonic recommends Windows Vista® Business.



Centrino²
vPro™
inside™

Protect.
Manage.



RUGGED AND RELIABLE FOR THE TOUGHEST JOBS. TOUGHBOOK CF-30

Intel® Centrino® 2 with vPro™ technology

Genuine Windows Vista® Business or
Genuine Windows® XP Professional

Vibration and shock resistant (MIL-STD 810F)

Water and dust resistant (IP54, MIL-STD 810F)

Long battery life of up to 9 hours



Extremely bright 13.3" LCD with Touchscreen
(up to 1000cd/m²)

Firewire (IEEE1394a), USB 2.0 and serial port

Bluetooth™ and WLAN integrated

3G Broadband optional (UMTS/HSPA with
Gobi-Chip)

TOUGHBOOK

Panasonic
ideas for life

Information at www.toughbook.eu

Panasonic recommends Windows Vista® Business.



**Protect.
Manage.**

As fully ruggedized reference model the CF-30 unifies a whole host of innovations and rugged features. Its 13.3" touchscreen display features an outstanding brightness of up to 1000cd/m² that guarantees brilliant visibility even in direct sunlight environments. Constructed using an ultra strong magnesium alloy case, the CF-30 is vibration and shock resistant to MIL-STD 810F and comes with a shock-damping HDD casing, enabling it to withstand drops from a height of 90cm. A special HDD-heater allows for operating under extreme cold conditions while the anti-reflective silver painting on the casing and the carry handle with integrated touchpen holder prevent heat absorption in bright outdoor conditions. All joints and external covers are sealed providing the unit a dust and water resistance to the IP54-standard. The multimedia pocket gives the flexibility to attach different drives and even a secondary battery.

The Intel® Centriano® 2 with vPro™ technology and Intel® Core™ 2 Duo processor promises high performance and efficient energy consumption. Thanks to embedded WLAN and optional 3G Mobile Broadband capabilities wireless data transfer for business communication can be achieved. The high-power main battery plus an optional second battery allow for a running time of up to 12.5 hours.



Mobile Computing Platform	Intel® Centriano® 2 with vPro™ technology – Intel® Core™ 2 Duo processor SL9300 (1.6GHz, 6MB L2 cache, 1066MHz FSB) – Mobile Intel® GS45 Express Chipset – Intel® Wireless WiFi link 5100 AGN Network Connection (supporting 802.11a/b/g/n draft 2.0 compliant)	
OS	Genuine Windows Vista® Business Service Pack 1 or Genuine Windows® XP Professional Service Pack 2	
RAM	2GB DDR2 SDRAM (max. 4GB)	
Graphic Chip	Intel® Graphics Memory Control Hub; UMA (2GB RAM: Win XP: max. 1024MB; Win Vista: max. 797MB)	
Storage	160GB HDD (SATA, easy accessible, shock resistant – withstands 90cm drop); SSD (max. 32GB – project driven)	
LCD	13.3" sunlight-viewable XGA Active Matrix (TFT) colour LCD with touchscreen (up to 1000cd/m ²) 1024 x 768 pixels (XGA); 16 million colours; Concealed Mode	
Cabinet	Full magnesium alloy with integrated carrying handle	
Bluetooth™	Version 2.0 + EDR (class 1); slide on/off switch	
WLAN	IEEE 802.11a/b/g/n draft 2.0 compliant (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, stereo
	DC In:	Jack
	USB 2.0:	3x 4-pin
	Modem:	RJ-11
	LAN:	RJ-45
	Firewire (IEEE1394a):	1x 4-pin
	External Antenna:	2x (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/SDHC Memory Card:	1x
	Optional RAM Module:	1x SO-DIMM (200-pin, 1.8V, DDR2 SDRAM, PC2-5300 Compliant)
Power	AC Adapter:	Input: 100 ~ 240V AC, 50Hz/60Hz; Output: 15.6V DC, 5.0A
	Battery:	Li-ion (10.65V, 8.55Ah)
	Battery Life (Mobile Mark™ 2007, 60cd/m ² , Vista Model):	Approx. 12.5 hours (Main Battery + 2nd Battery), approx. 9 hours (Main Battery)
	Charging time (main battery pack):	Power off: approx. 5 hours; Power on: approx. 8.5 hours
	Power Consumption:	Approx. 50W (maximum when recharging)
Power Management	Standby function, Hibernation function, ACPI BIOS	
Software	Adobe Reader, PC Information Viewer, Loupe Utility, Intel® PROSet/Wireless Software*7, Bluetooth™ Stack for Windows® by TOSHIBA, Wireless Switch Utility, Hotkey Settings, Battery Recalibration Utility, Panasonic Hand Writing, Display Rotation Tool, Infineon TPM Professional Package, Power Saving Utility, Wireless Connection Disable Utility, Concealed Mode Utility, Setup Utility, Hard Disk Data Erase Utility, PC-Diagnostic Utility	
Security Feature	TPM (Trusted Platform Module, TCG V1.2 compliant), Integrated hardware security lock slot, Password security (supervisor password, user password, HDD lock)	
Dimensions (WxHxD)	302mm x 67.5mm/69.5mm* x 282mm, 11.9" x 2.7"/2.8" x 11.5" [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, 3G Mobile Broadband (HSPA, up to 7.2Mbps), Solid State Disk (max. 32GB – project driven)	
Accessories	AC adapter:	CF-AA1653AE, CF-AA1653AG, CF-AA1653AT
	Battery pack:	CF-VZSU46U (8550mAh; 10.65V)
	Battery pack (second Battery):	CF-VZSU1430U (for Multimedia Pocket; 3900mAh; 11.1V)
	Battery charger:	CF-VCBTB1W
	Car-Charger:	CF-AAV1601AW (Type A, 60W, 12V/24V), CF-LIND8024FD (EIAJ & Type A both 80W, 12-32V)
	Car-Mount:	CF-WEB301W
	Combo Drive Pack:	CF-VDR301U, CF-VDR302U (for Multimedia Pocket)
	DVD Multi Drive Pack:	CF-VDM301U, CF-VDM302U (for Multimedia Pocket)
	FDD (USB):	CF-VFDU03U
	Port Replicator:	CF-VEB272A2W
	RAM modules:	CF-WMBA801G (1GB), CF-WMBA802G (2GB)
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

Specification and configuration may vary depending on country. Accessories may vary depending on your notebook configuration. Consult a Panasonic sales office near you for more details and availability of integrated options. All specifications are subject to change without notice.

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