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TOUGHBOOK CF-31
VALUE MODEL

THE FULLY RUGGED, FULL-SIZE NOTEBOOK WITH BALANCED-LIGHT SPECIFICATION.

Specifically designed for field-based professionals who work in challenging environments and need business entry-level specification, the new Toughbook CF-31 Value Model makes the legendary durability of fully rugged Toughbooks more accessible than ever.

Whether working in adverse weather, wet conditions, underground or where space restrictions would usually hamper productivity, the CF-31 ensures that mobile workers perform to their optimum at all times.

- Genuine Windows® 7 Professional
  (Downgrade option to Genuine Windows® XP Professional Service Pack3)
- Intel® Core™ i3-350M with Intel HD graphics
- 13.1'' high brightness display
- Certified by MIL-STD 810G* and IP65*
- Backwards compatible with CF-30 docking stations and carmounters**

* Tested by an independent third-party lab following IEC 60529, sections 13.4, 13.6.2, 14.2.5, 14.3
** Limited functionality

intel CORE™ i3 inside™
Faster. Smarter.

TOUGHBOOK When it's worth doing better.

www.toughbook.eu

MOBILE BUSINESS EXCELLENCE

intel CORE i3 inside™
Faster.
Smarter.

FOR FIELD PROFESSIONALS LOOKING FOR A BALANCE BETWEEN FULLY RUGGEDNESS AND ENTRY-LEVEL SPECIFICATION.

The CF-31's business-class performance is provided by the latest Intel® Core™ i3 processor architecture, whilst a 1,100cd/m2 (typical), 13.1" LED backlit display (4:3) also means the CF-31 can be viewed on the move.

Mobile Computing Platform	- Intel® Core™ i3-350M processor (2.26GHz, Intel® Smart Cache 3 MB) - Mobile Intel® 5 HM55 Express Chipset	
Operating System	Genuine Windows® 7 Professional (Downgrade option to Genuine Windows® XP Professional Service Pack3)	
RAM	2GB DDR3 SDRAM (max. 4GB)	
Graphic Chip	Intel® HD Media, UMA (Windows 7 max. 763MB , Windows XP max. 1024MB)	
Storage	160GB HDD (SATA)	
LCD	13.1" Active Matrix (TFT) colour LCD (up to 1.000cd/m2 typical) 1024 x 768 pixels (XGA); 16 million colours, concealed mode	
Cabinet	Full magnesium alloy with integrated carrying handle	
Bluetooth™	Version 2.1 + EDR; slide on/off switch	
WLAN	IEEE 802.11 b/g/n compliant; slide on/off switch	
LAN	IEEE 802.3 10 Base-T, IEEE 802.3u 100 Base-TX, IEEE 802.3ab 1000 Base-T	
Audio	WAVE and MIDI playback, Intel® High Definition Audio subsystem support	
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
	HDMI	
	Headphone	Mini-jack, 3.5 DIA
	Microphone	Mini-jack, 3.5 DIA, stereo
	DC-In	Jack
	USB 2.0	4x 4-pin
	Modem (optional)	RJ-11
	LAN	RJ-45
	External Antenna	1x (Dedicated 50 Ohm coaxial connector)
	Port Replicator	80-pin
Expansion Slots	PC Card	1x Type I or 1x Type II
	Express Card	1x /34 or /54
	SD/SDHC Memory Card	1x
	RAM Module	1x DDR3 SDRAM, 204 Pins SO-DIMM (1.5V, SO-DIMM, PC3-8500 compliant)
Power	AC Adapter	Input: 100 ~ 240V AC, 50Hz/60Hz; Output: 15.6V DC, 7.05A, 110W
	Battery	Li-ion (11.1V, 5.2Ah typical)
	Battery Life	Approx. 7h (Windows® 7 model, Mobile Mark™ 2007, LCD brightness: 60cd/m2)
	Charging time	Approx. 4h (Power on), 3h (Power off), depends on situation
	Power Consumption	Approx. 100W (maximum when recharging)
Power Management	Standby function, Hibernation function, ACPI BIOS	
Software	Adobe Reader, PC Information Viewer, Loupe Utility, Bluetooth™ Stack for Windows® by TOSHIBA, Wireless Switch Utility, Wireless Connection Disable Utility, Hotkey Settings, Battery Recalibration Utility, Infineon TPM Professional Package, Protector Suite QL, Aptio Setup Utility, Hard Disk Data Erase Utility, PC Diagnostic Utility, Concealed mode Utility	
Security Features	Integrated hardware security lock slot, Password security (supervisor password, user password, HDD lock)	
Dimensions (WxHxD)	302mm x 73.5mm x 292mm {11.9" x 2.9" x 11.5"} (excluding protrusions)	
Weight	Approx. 3.6kg {Approx. 7.9lb.}	
Integrated Options	GPS, Fingerprint Reader, Smart Card Reader, 3G Mobile Broadband (HSPA, up to 7.2Mbps), Firewire (on Project Base)	
Testing Standards	Water resistance test	IEC529 (JIS C0920) IP-X5*, MIL-STD 810G 506.5- I & III*
	Dust resistance test	IEC529 (JIS C0920) IP-6X*, MIL-STD 810G 510.5- I & II*
	Gravity drop resistance test	MIL-STD 810G 516.6 IV* (180cm drop)
	Vibration resistance test	MIL-STD 810G 514.6- I & II*
Accessories	Desktop Port Replicator	CF-VEB311
	Car Mounter Kit	CF-WEB301
	AC Adapter	CF-AA5713A
	Battery	CF-VZSU46AU
	DVD Multi Drive (Multimedia Bay)	CF-VDM311U
	Stylus Pen	CF-VNP009U

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