



FULLY RUGGED



CF-20

2-in-1 fully rugged detachable notebook

Mobile Computing Platform / CPU	Intel® Core™ m5-6Y57 vPro™ processor (1.1GHz to 2.8GHz [with Turbo Boost], 4MB Intel® Smart Cache)
Operating System	Windows 10 Pro Windows® 7 Professional
Memory & Storage	8GB RAM [4GB project based] 256 GB Solid State Disk (Optional 128 GB SSD)
Display	10.1 Active Matrix (TFT) IPS colour LCD, 1920 x 1200 pixels, WUXGA (up to 800cd/m ²) Anti Glare, Anti Reflection 10 finger capacitive touchscreen Dual Touch Model with Digitiser optional Intel® HD Graphics 515
Camera	Front: 2MP Rear: 8MP, still picture
Expansion Slots	SD/SDXC Memory Card: x1 SDXC (Keyboard Base), x1 Micro-SDXC (Main Unit)
Interfaces	Serial: x1 (Keyboard Base), x1 optional (Main Unit) HDMI: x2 (Keyboard Base & Main Unit) Headset: x1 DC Input: x2 Jack (Keyboard Base & Main Unit) USB 2.0: x1, 4-pin (Keyboard Base), optional x1 (Main Unit) USB 3.0: x2, 9-pin (Keyboard Base), x1, 9-pin (Main Unit) LAN: x2 (Keyboard Base & Main Unit) 2D Barcode Reader: optional x1 (Main Unit) Smartcard Reader: optional x1 (Main Unit) HF RFID: optional x1 (Main Unit) Fingerprint Reader: x1 optional (Main Unit) Port Replicator: x1 External Antenna Connector (Keyboard Base)
Connectivity	Bluetooth® Version v4.1 Class 1 Wireless LAN Intel® Dual Band Wireless-AC 8260 a/b/g/n/ac compliant LAN IEEE 802.3 10BASE-T / IEEE 802.3u 100BASE-TX / IEEE 802.3ab 1000BASE-T
Power	AC Adaptor: Input: 100 V - 240 V AC, 50 Hz / 60 Hz, Output: 16 V DC, 4.06A Battery: Lithium-Ion (11.4V, 2600mAh), user replaceable (usable in Keyboard Base & Main Unit) Battery Life: Approx. 7 hours (Windows® 10, Mobile Mark™ 2007, LCD brightness: 60cd/m ²); Approx. 14 hours with 2nd battery in Keyboard Base (Windows® 10, Mobile Mark™ 2007, LCD brightness: 60cd/m ²) Hot Swap Battery: Standard
Security Features	TPM (Trusted Platform Module, TCG V1.2 compliant), Integrated hardware security lock slot, Password security (supervisor password, user password, HDD lock)
Dimensions (W x H x D) & Weight	272mm x 233mm x 33.5mm / 10.7" x 9.17" x 1.32" (Main Unit + Keyboard Base) 272mm x 196mm x 16.4mm / 10.7" x 7.7" x 0.65" (Main Unit) 1.76kg/3.9lb (Main Unit + Keyboard Base) 950g/2.1lb (Main Unit)
Options for Integration	4G LTE, dedicated GPS (U-Blox NEO-M8N)
Ruggedisation	Water resistance test: IEC529 [JIS C0920] IPX5 ⁴ Dust resistance test: IEC529 [JIS C0920] IP6X ⁴ Gravity drop resistance test: 120cm drop ¹

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CF-19

The market-leading, rotating screen, convertible notebook, which sets the benchmark in ruggedness.

Mobile Computing Platform / CPU	Intel® Core™ i5-3610ME vPro™ processor (2.7GHz, 3MB Intel® Smart Cache, Intel® 7 series Express chipset QM77)
Operating System	Windows 10 Pro - CALL Windows® 7 Professional Embedded Version - Requires Licensing - CALL
Memory & Storage	4GB DDR3L SDRAM (max. 8GB) 500GB HDD (SATA)
Display	10.1" sunlight-viewable transfective plus XGA Active Matrix (TFT) colour LCD with circular polariser (up to 500cd/m ² transmissive and 6,500cd/m ² reflective brightness, depending on light conditions); concealed Mode Graphic Chip: Intel® HD Graphics 4000, UMA (Windows® 7 64bit max. 1696MB, 32bit max. 1557MB)
Expansion Slots	PC Card: x1 Type II (3.3V: 400mA, 5V: 400mA) ExpressCard: x1, ExpressCard/34 or ExpressCard/54 SD/SDXC Memory Card: x1 RAM Module: x1 DDR3L 200-pin SO-DIMM (1.5V, DDR3 SDRAM, PC3-10600 compliant)
Interfaces	Serial (16550A compatible): D-sub, 9-pin External display (VGA port): Mini D-sub, 15-pin Headphone: Mini-jack, 3.5 DIA, stereo Microphone: Mini-jack, 3.5 DIA, stereo DC Input: Jack USB: 2.0 x1, 4-pin; 3.0 x1, 9-pin LAN: RJ-45 Firewire (IEEE1394a): x1, 4-pin External Antenna: x2 (Dedicated 50 ohms coaxial connector) Port Replicator: 100-pin
Connectivity	Bluetooth™: Version 4.0 + EDR Class 1 Wireless LAN: Intel® Centrino® Advanced-N 6235 802.11 a/b/g/n compliant; slide on/off switch LAN: 1000BASE-T/100BASE-TX/10Base-T
Power	AC Adaptor: Input: 100-240V AC, 50Hz/60Hz; Output: 16V DC, 5A Battery: Lithium-Ion (10.65V, Typical 5.7Ah / Minimum 5.4Ah) Battery Life: Approx. 10 hours (Mobile Mark™ 2007, LCD brightness: 60cd/m ²)
Security Features	TPM (TCG V1.2 compliant), Integrated hardware security lock slot, Password security (supervisor password, user password, HDD Lock)
Dimensions (W x H x D) & Weight	271mm x 49mm x 216mm / 10.7" x 1.93" x 8.5" (excluding protrusions) 2.3kg / 5.0lb (including battery)
Options for Integration	GPS, Fingerprint Reader, Smart Card Reader, 4G Mobile Broadband (LTE, up to 100Mbps), Solid State Disk
Ruggedisation	Water resistance test: IEC529 [JIS C0920] IPX5 ⁴ , MIL-STD 810G 506.5, III ⁴ Dust resistance test: IEC529 [JIS C0920] IP6X ⁴ , MIL-STD 810G 510.5, Level ⁴ Gravity drop resistance test: MIL-STD 810G 516.6, (180cm drop) ¹ Vibration resistance test: MIL-STD 810G 514.6, category 20 & 24 ⁴