



## Windows 10 Pro Fully Rugged Detachable with 10.1" Outdoor Full-HD Display

# TOUGHBOOK 20 Detachable

The TOUGHBOOK 20 delivers a new level of unrivalled versatility for mobile business computing as fully rugged detachable notebook. Offering the best of all worlds for mobile workers, the TOUGHBOOK can be used in 6 different modes to meet every business need. With its glove enabled touchscreen, up to 17 hour hot swappable battery life and purpose-built Vehicle Mount and Desktop Port Replicator, the Panasonic TOUGHBOOK 20 is an unrivalled mobile business machine.

### Key Features

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Intel® Core™ i5-7Y57 vPro™ processor

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Windows 10 Pro

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10.1" Active Matrix (TFT) colour LCD 1920 x 1280 (WUXGA) LCD with sunlight-viewable glove-enabled capacitive touchscreen (up to 800cd/m<sup>2</sup>)

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IP65 Water and dust resistant\*\*, MIL-STD 810G certified\*\*

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Long battery life of up to 17 hours with hot swap and second battery



## TOUGHBOOK 20 Detachable

<https://oc.connect.panasonic.com/nz/en/products/toughbook/toughbook-20-detachable>

<b>Mobile Computing Platform</b>	Intel® Core™ i5-7Y57 vPro™ processor
<b>Operating System</b>	Windows 10 Pro
<b>RAM</b>	8GB (max. 16GB)
<b>Graphic Chip</b>	Intel® HD Graphics 615
<b>Storage</b>	256GB SSD (512GB optional)
<b>LCD</b>	10.1" Active Matrix (TFT) colour LCD 1920 x 1280 (WUXGA) LCD with sunlight-viewable glove-enabled capacitive touchscreen (up to 800cd/m <sup>2</sup> ), IP55 Digitiser optional
<b>Bluetooth™</b>	4.2 + EDR Class 1
<b>Wireless LAN</b>	Intel® Dual Band Wireless-AC 8265
<b>Mobile Broadband*</b>	4G LTE, supports 3G
<b>GPS*</b>	U-Blox NEO-M8N
<b>LAN</b>	x1 (Tablet) x1 (Keyboard)
<b>Sound</b>	WAVE and MIDI playback, Intel® High Definition Audio subsystem support
<b>Security</b>	TPM (TCG V2.0 compliant) Password security (supervisor password, user password, hard disc lock) Integrated hardware security lock slot
<b>Front Camera</b>	2mpixel (with IR for Windows Hello)
<b>Rear Camera</b>	8mpixel with autofocus and LED flash
<b>SD/SDXC Memory Card</b>	x1 Micro (Tablet) x1 (Keyboard)
<b>Configuration port (Tablet)**</b>	Serial, 2D Barcode Reader, 2nd USB 2.0
<b>USB 3.0</b>	x3 (x1 Tablet, x2 Keyboard)
<b>USB 2.0</b>	x1 (Keyboard)
<b>HDMI</b>	x1 (Tablet) x1 (Keyboard)
<b>VGA</b>	x1 (Keyboard)
<b>Native Serial Port</b>	x1 optional (Tablet) x1 (Keyboard)
<b>Headset</b>	x1 (Tablet) x1 (Keyboard)
<b>DC In</b>	x2 (Tablet + Keyboard)
<b>Port Replicator</b>	x1 (Keyboard)
<b>Dual Antenna Connector</b>	x1 (Keyboard)
<b>Business Expansion Module (Tablet)**</b>	Smart Card Reader, NFC, Fingerprint Reader
<b>AC Adapter</b>	Input: 100V - 240V AC, 50Hz/60Hz, Output: 16 VDC, 4.06A
<b>Battery</b>	x2 Li-Ion (3 cell, 29Whr)
<b>Battery Life</b>	Tablet + Keyboard: Approx. 17 hours (Mobile Mark™ 2014) Tablet: Approx. 8.5 hours (Mobile Mark™ 2014)
<b>Power Management</b>	Hot swap, Standby function, ACPI BIOS
<b>Dimensions (WxHxD)</b>	272 mm x 233 mm x 33.5 mm / 10.71" x 9.17" x 1.32"
<b>Weight</b>	Approx. 1.89kg / 4.17lb
<b>Drop Resistance</b>	MIL-STD 810G, 120cm***
<b>Dust Resistance</b>	IEC529 (JIS C0920) IP6x***
<b>Water Resistance</b>	IEC529 (JIS C0920) IPx5***
<b>Operating Temperature</b>	MIL-STD 810G, -29 °C to 60 °C ***
<b>Standard Configuration</b>	Touchscreen Model: CF-20mk2, 8GB RAM, 256GB SSD, 2x battery pack, stylus pen Dual-Touch Model: CF-20mk2, 8GB RAM, 256GB SSD, 2x battery pack, IP55 digitiser pen
<b>Included in the box</b>	Power Supply, Power Cord, Display cleaning cloth and User Manual
<b>Footnote</b>	*Optional **One option exclusive possible in configuration port / business expansion module ***Tested by an independent third party lab following MIL-STD-810G and IEC 60529, Sections 13.4, 13.6.2, 14.2.5 and 14.3

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