

Panasonic recommends Windows.

**Panasonic**  
BUSINESS



# PANASONIC TOUGHBOOK & TOUGH PAD

THE PC & TABLET RANGE BUILT TO WORK WHERE YOU DO



**TOUGHBOOK**

**TOUGH PAD**

Panasonic recommends Windows.

# THE TOUGHBOOK & TOUGH PAD FAMILY BUILT FOR PURPOSE



## Screen Visibility



Field productivity demands high brightness displays, low screen reflection, the latest IPS technology, extra-wide viewing angles and high-contrast ratios. Together, they mean Toughbooks & Toughpads deliver more productive all-weather performance.



## Reliability & Durability

Fully rugged devices are engineered for IP65 resistance to dust, humidity and water, MIL-STD 810G certifications for drops, shock, vibrations, pressure and temperature, and MIL-STD-461F certification against electromagnetic interference. Panasonic Tough devices are supported with a minimum 3 year warranty, with 4 or 5 year support options.



## Vehicle Mounting

Panasonic Tough IT feature specialised vehicle mounts to stay connected to power and applications on the move. Optional Dual Pass Through functionality supports vehicle mounted antennas to connect more effectively, in more places, more often.



## Security

All Tough devices include unique features dedicated to enterprise level security, including Intel TPM™ or ARM TrustZone™



## Connectivity

Toughpads and Toughbooks are purpose built for field connectivity, with configuration options including 4G LTE, Dual Pass Through capabilities, WLAN, Bluetooth, GPS, USB, LAN, Serial and HDMI.

## Mobility



All tablets claim to offer mobility advantages. The Panasonic Tough range starts at just 540g (FZ-M1; FZ-B2) and features the FZ-G1 (world's slimmest, lightest fully-rugged 10.1" tablet) and the Toughbook CF-20 (world's thinnest, lightest fully rugged 2-in-1 tablet PC device).



## Voice Capability

The Toughpad FZ-X1 (Android) and FZ-E1 (Windows) feature voice capability with up to 1000 hours standby time, a triple microphone array, noise cancelling technology and 100 decibel speakers ensuring audio clarity even in noisy outdoor environments.



## Ease of Use

Panasonic's fully-rugged devices feature 10 finger multi-touch screens, which can be used in the rain, in extreme temperatures or while wearing gloves



## Extended Battery Performance

Long standard battery life, optional high-capacity batteries and hot swap capabilities mean your Panasonic Tough devices are ready when you are. For example, Toughbook CF-20 delivers up to 10 hours on one battery, 20 hours on two batteries or unlimited performance with its optional hot swap kit.

\*Features vary by model. Please check product brochures and spec sheets at [www.panasonic.com/au/business](http://www.panasonic.com/au/business)



## TOUGHBOOK & TOUGH PAD AT A GLANCE

### 2-IN-1

10.1" Fully Rugged 2-in-1

12.5" Semi Rugged 2-in-1

Model	CF-20	CF-19	CF-C2
			
Operating System	Windows 10 Pro	Windows 8.1 Pro	Windows 8.1 Pro
Processor	Intel® Core™ m5 6Y57 vPro™	Intel® Core™ i5 3610ME vPro™	Intel® Core™ i5 4310U vPro™
Display Size	10.1" WUXGA 1920x1080	10.1" XGA 1024x768	12.5" WXGA 1366x768
Display Features	IPS, 800 cd/m <sup>2</sup> , Glove Touch, Rain Touch	Up to 6500 cd/m <sup>2</sup> , Glove Touch, Rain Touch	IPS, 500 cd/m <sup>2</sup>
Daylight Readable	Yes	Yes	Yes
Memory	8Gb	4Gb	4Gb
Storage	256Gb SSD	500Gb HDD	500Gb HDD
Battery (Std)**	10 Hours	9.5 Hours	14 Hours
Battery (Optional)**	20 Hours	-	19 Hours
Hot Swappable Battery	Optional	-	Optional
Ruggedisation	Fully Rugged	Fully Rugged	Semi Rugged
Chassis	Magnesium Alloy	Magnesium Alloy	Magnesium Alloy
Ruggedisation	MIL-STD-810G, IP65, 120cm drop, -10°C to +50°C, MIL-STD-461F	MIL-STD-810G, IP65, 180cm drop, -10°C to +50°C, MIL-STD 461F	100Kg Pressure, Spill resistant KB, 76cm drop
Dimensions	"272 x 233mm x 33.5mm (Tablet+base) 272mm x 196mm x 16.4mm (Tablet only)"	271mm x 216mm x 49mm	299mm x 217mm x 25mm
Weight	"1.76Kg (Tablet & Keyboard) 0.95Kg (Tablet only)"	2.3Kg	1.81Kg
Configuration Options	8Gb Memory, Serial, BCR, 2nd USB, SCR, Fingerprint, 2nd Battery, Hot Swap Battery	8Gb Memory, 128 & 256Gb SSD, Rear Camera, GPS, Fingerprint, Backlit KB	VGA, Serial, Modem, Rear Cam, NFC, SmartCard, ExpressCard, Large Batery, Hot Swap Battery



## NOTEBOOK

### 13.1" Fully Rugged Notebook

CF-31



Windows 10 Pro

Intel® Core™ i5 5300 vPro™

13.1" XGA 1024x768

1200 Nit, Glove Touch; Rain Touch

Yes

4Gb

500Gb HDD

18 Hours

27 Hours (2nd Battery)

-

Fully Rugged

Magnesium Alloy

MIL-STD-810G, IP65, 180cm drop, -10°C to +50°C, MIL-STD-461F

302mm x 292mm x 73.5mm

3.72Kg

### 14" Semi-Rugged Notebook

CF-54



Windows 10 Pro

Intel® Core™ i5 6300 vPro™

14" Full HD 1920x1080

IPS, 1000 cd/m2 (Touchscreen model)

Yes

8Gb

500Gb HDD

11 Hours

18 hours (2nd battery)

Optional

Semi-Rugged

Magnesium Alloy

Spill resistant KB, 76cm drop

272mm x 345mm x 30mm

1.9Kg (Performance) 2.1Kg (Touchscreen) 2.65Kg (Standard) 2.95 (Touchscreen)

CF-53



Windows 8.1 Pro

Intel® Core™ i5 4310 vPro™

14" HD 1366x768

IPS, 1000 cd/m2 (Touchscreen model)

Yes

4Gb

500Gb HDD

15 Hours

-

Optional

Semi-Rugged

Magnesium Alloy

Spill resistant KB, 76cm drop

281mm x 340mm x 48-55mm

2.65Kg (Standard) 2.95 (Touchscreen)

FZ-X1



Android 4.2.2

Qualcomm® APQ8064T

5" HD 1280x720

500 cd/m2, Glove Touch, Rain Touch

Yes

2Gb

32Gb eMMC

14 Hours (1000 Hours stand-by)

14 Hours (1000 Hours stand-by)

Optional

Fully Rugged

MIL-STD-810G, IP68, 3m drop, -20°C to +60°C, MIL-STD-461F

87.4mm x 165mm x 30.9mm

0.432Kg (with BCR)

## HANDHELD

### 5" Fully Rugged Handheld Tablet (Android & Windows)

FZ-E1



Windows Embedded 8.1 Handheld

Qualcomm® MSM8974AB

5" HD 1280x720

500 cd/m2, Glove Touch, Rain Touch

Yes

2Gb

32Gb eMMC

14 Hours (1000 Hours stand-by)

28 Hours

Optional

Fully Rugged

MIL-STD-810G, IP68, 3m drop, -20°C to +60°C, MIL-STD-461F

87.4mm x 165mm x 30.9mm

0.432Kg (with BCR)



## TABLET

### 7" Fully Rugged Tablet (Windows & Android)

### 10.1" Fully Rugged Tablet

FZ-M1

FZ-M1V

FZ-B2

FZ-G1

			
Windows 10 Pro	Windows 10 Pro	Android 4.4	Windows 10 Pro
Intel® Core™ m5 6Y57 vPro™	Intel® Atom™ x5 Z8550	Intel® Atom™ x5 Z8550	Intel® Core™ i5 6300U vPro™
7" WXGA 1280x800	7" WXGA 1280x800	7" WXGA 1280x800	10.1" WUXGA 1920x1080
IPS, 500 cd/m <sup>2</sup> , Glove Touch, Rain Touch	IPS, 500 cd/m <sup>2</sup> ; Glove Touch; Rain Touch	IPS, 500 cd/m <sup>2</sup> ; Glove Touch; Rain Touch	IPS, 800 cd/m <sup>2</sup> ; Glove Touch; Rain Touch
Yes	Yes	Yes	Yes
4Gb	4Gb	2Gb	8Gb
128Gb SSD	64Gb eMMC	32Gb eMMC	128Gb SSD
9 Hours	9 Hours	8 hours	14 hours
Optional 18 hours	Optional 18 hours	Optional 16 Hours	Optional 28 Hours
Optional	Optional	Optional	Optional
Fully Rugged	Fully Rugged	Fully Rugged	Fully Rugged
Magnesium Alloy	Magnesium Alloy	Magnesium Alloy	Magnesium Alloy
MIL-STD-810G, IP65 fanless, 150cm drop, -10°C to +50°C	MIL-STD-810G, IP65 fanless, 150cm drop, -10°C to +50°C	MIL-STD-810G, IP65 fanless, 150cm drop, -10°C to +50°C	MIL-STD-810G, IP65 fanless, 120cm drop, -10°C to +50°C, MIL-STD-461F
203mm x 132mm x 18mm	203mm x 132mm x 18mm	203mm x 132mm x 18mm	270mm x 188mm x 19mm
0.54Kg	0.54Kg	0.54Kg	1.1Kg
8Gb Memory, 256Gb SSD, SmartCard, NFC, MCR, SD Card, BCR, LAN, Serial, GPS, 4G, Hot Swap Battery	SmartCard, NFC, SD Card, BCR, LAN, USB, GPS, 4G, Hot Swap Battery	Large battery, Hot Swap Battery, 4G, GPS, SmartCard, BCR	8Gb Memory, 512Gb SSD, GPS, 4G, USB, LAN, MicroSD, SmartCard, Hot Swap Battery



**# 1** Global leader in rugged notebooks and tablets that raise productivity and lower TCO over 15% annually.

The world's thinnest, lightest, fully rugged devices

**THINNEST**



**RUGGED**

MIL-STD-810G, 461F, IP65 certified against drops, weather, humidity, dust, vibration, temperature, altitude.

The only major manufacturer that designs, builds and tests its laptops and most components

**INHOUSE**



## The Australian mobility market will reach \$4.9 billion in 2019

With 95 years of serving customers, 20 years of computer expertise and industry-leading customer loyalty, Panasonic achieves more rugged PC deployments at larger organisations than any other brand.



**84%** of Australian organisations already have regular remote staff

8 in 10 devices for mobile workers are exposed to stressors



7 in 10 devices that fail in the field, fail in a protective case



**MAKE THE RIGHT MOBILE DEVICE CHOICE.  
TALK TO PANASONIC TODAY.**

For expert advice on choosing the most suitable tablet for your business, contact Panasonic. Our team of experts will help you make the best possible decision, only recommending solutions that fit your needs precisely.

Visit [www.toughbook.com.au](http://www.toughbook.com.au)

**TOUGHBOOK**

**TOUGH PAD**