

**TOUGHBOOK**

**TOUGHPAD**

**Panasonic**  
BUSINESS



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**TOUGHBOOK****TOUGHPAD****Panasonic**  
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# THE COMPLETE RUGGED LINE UP

Field Mobile			Business Mobile	Retail
<b>Handheld/Tablet</b> 				
 <b>FZ-N1</b> 4.7" Fully rugged	 <b>FZ-T1</b> 5" Fully rugged	 <b>FZ-B2</b> 7.0" Fully rugged		 <b>JS-970</b> 15" / 17" POS Workstation
		 <b>FZ-A2</b> 10.1" Fully rugged	 <b>FZ-F1</b> 4.7" Fully rugged	
			 <b>FZ-M1</b> 7.0" Fully rugged	
			 <b>FZ-G1</b> 10.1" Fully rugged	
<b>Convertible / Detachable</b>	 <b>CF-20</b> 10.1" Fully rugged	 <b>CF-33</b> 12.0" Fully rugged	 <b>FZ-Q2</b> 12.5" Semi rugged	 <b>FZ-G1</b> POS Cradle
			 <b>CF-XZ6</b> 12" Business rugged	
<b>Clamshell</b>	 <b>CF-31</b> 13.1" Fully rugged	 <b>CF-54</b> 14" Semi rugged		 <b>FZ-G1</b> mPOS
<b>Special</b>	 <b>CF-D1</b> 13.3" Fully rugged			 <b>Kiosk Pyramid</b>

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## CORE TECHNOLOGIES



Rugged



Screen



Battery



Business interface



Wireless

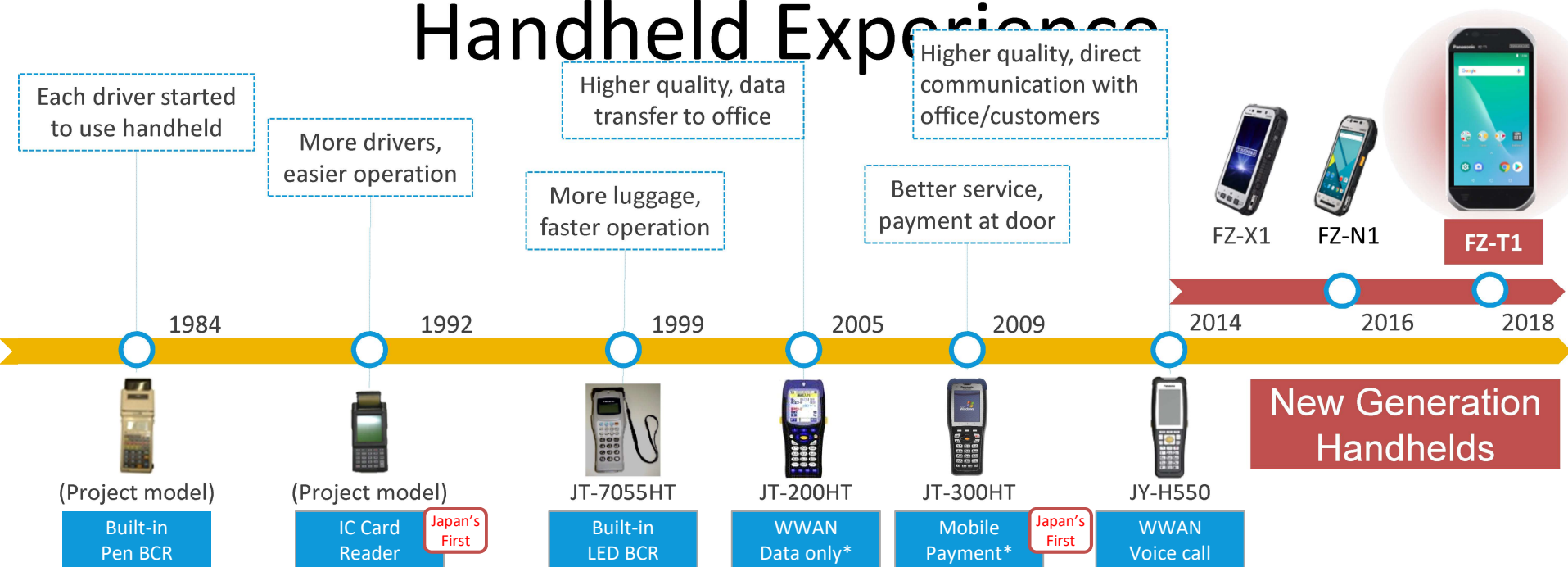


Dynamic  
performance



Weight

# Panasonic Has Over 30 Years of Handheld Experience



\*Only for some project model

Panasonic FZ-T1

12:34

Google



# Toughbook FZ-T1 Key Features



**Reliable mobile working**



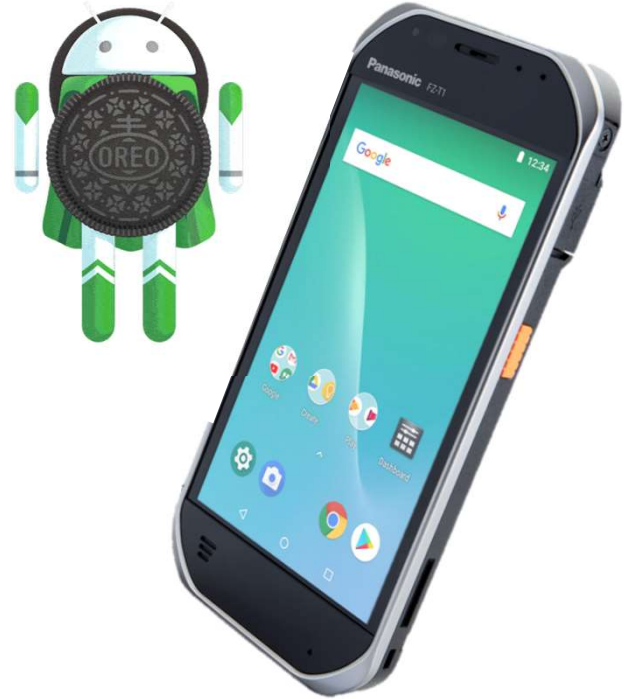
**Efficient & easy operation**



**Maximize uptime with clear voice**



**Various enterprise options**



# Toughbook FZ-T1 vs Toughpad FZ-F1

## Toughbook FZ-T1



5" Screen / 450cd/m<sup>2</sup>

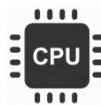
Qualcomm Quad-core, 1.1GHz

-10° to +50°C / 1.5m drop

Straight barcode reader

Passive pen option

500 tumbles



## Toughpad FZ-N1

4.7" Screen / 500cd/m<sup>2</sup>

Qualcomm Quad-core, 2.3GHz

-10° to +50°C\* / 1.8m drop\*

Angled rear barcode reader

Active pen option

1,000 tumbles



\*Certified by MIL-STD-810G

# TOUGHBOOK FZ-L1 Key Features



**Reliable mobile working**



**Efficient & easy operation**



**Maximize uptime with warm swap exchangeable battery**



**Various enterprise options**



# Water and Dust Proof

No need to worry about water or dust



IP65 / IP67

## IP6X Dust Resistance Test (IEC60529)

Dust	Less than 75 $\mu$ m
Decompression	2 kPa
Duration	8 hours

## IPX5 Water Resistance Test (IEC60529)

Water Flow	12.5 l/min
Waterjet Direction	All direction
Waterjet Distance	2.5 m – 3.0 m
Duration	1 min/m <sup>2</sup> , MIN.3 min

## IPX7 Water Resistance Test (IEC60529)

Depth	1.0 m
Duration	30 min

# Outdoor Professional Display



**7" Dragontrail Pro  
IPS Screen**

**HD (1280 x 720)  
294 ppi**

**Daylight readable**

# TOUGHBOOK Display Input

Unique to  
Panasonic



“Rain mode”\*  
for accurate input in the rain\*

Unique to  
Panasonic



“Glove mode” lets you operate without  
removing the glove\*\*



“Pen mode”  
for more precise input\*\*\*



\* “Rain mode”, “Glove mode”, “Pen mode” can not be on at the same time.

\*\* Up to 1mm {0.04"} thick

\*\*\* Stylus pen is option

# TOUGHBOOK FZ-L1 vs TOUGHPAD FZ-B2

## TOUGHBOOK FZ-L1

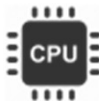
7" Screen



Android 8.1



Qualcomm Quad-core, 1.1GHz



1.5m drop on concrete\*



Warm swap battery as standard



Optional passive pen option



## TOUGHPAD FZ-B2

7" Screen / 500cd/m<sup>2</sup>

Android 6

Intel® Atom™ x5-Z8550 1.44GHz

1.8m drop on plywood\*

Optional hot-swap battery

Optional passive pen option

\*Certified by MIL-STD-810G

# The Complete Solutions Provider



- Single point of contact
- Complete support package



- Off the shelf solutions
- Customised design capability

Customer

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# Toughbook Partner Programme

