



**L3HARRIS™**  
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## **RF-3577-95EN**

### Rugged 4.7-inch Android™ Phone

Panasonic Android phone model number FZ-N1JCPAP3M

#### SOFTWARE

Operating System	Android 9 (Pie) <sup>2</sup> , Productivity+ Panasonic's development, deployment and sustainment ecosystem of tools and services.
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#### CERTIFICATIONS AND DURABILITY

Durability	MIL-STD-810G Certified
Water Resistance	IP66 and IP68 sealed all-weather design
Drop/Tumble	7 ft drop-resistant and tumble tested (1000 tumbles, 3.3 ft 5 rpm)
Additional Features	Port covers, raised bezel for LCD impact protection
Warranty	3-year limited warranty, parts and labor

#### CPU

Processor	Qualcomm® SDM660-2 64 bit Octa-Core
Speed	2.2GHzx4 + 1.8GHzx4

#### STORAGE AND MEMORY

RAM	3 GB <sup>2</sup>
Storage eMMC	32 GB <sup>3</sup>
Additional Storage	(up to 2 GB), SDHC (up to 32 GB), SDXC (up to 64 GB) <sup>4</sup>

#### DISPLAY

Resolution	4.7 in high-definition 1280 x 720 daylight viewable display
Touch	10-point capacitive multi-touch with glove touch mode
Additional Display Features	Optional passive or active stylus Rain sensing touch mode <sup>1,5</sup> 2-500 nit Display with direct bonding Anti-reflective treatments Automatic screen rotation

#### DEVICE FEATURES

Front Camera	Full HD 5MP webcam
Rear Camera	Full HD 8MP rear camera with LED light
Audio	Integrated microphone (x3) Loud volume twin speakers up to 100 db Noise suppression and echo cancellation engine
Sensors	Ambient light sensor, digital compass, gyro and acceleration
Keyboard/Input	10-point gloved multi-touch, 5 buttons (user-definable), On-screen QWERTY keyboard
Barcode Reader	1D/2D barcode reader (SE4750) with LED and laser crosshairs



The RF-3577-95EN Rugged 4.7-inch Android Phone is designed for use by dismount soldiers. Software drivers required for L3Harris radio communications are pre-installed. The phone meets MIL-STD-810G certified for harsh weather conditions. Cables for radio data connection and charging are included.

PHYSICAL	
Dimensions	2.9 W x 0.6 H x 6.1 D in (7.4 W x 1.5 H x 15.5 D cm)
Weight	0.61 lbs (0.277 kg) with standard battery 0.81 lbs (0.367 kg) with long-life battery

INTERFACE AND EXPANSION	
Docking Connector	9-pin
Micro-USB	Option to be host or client interface 2.0 (x1): 4-pin <sup>6</sup>
MicroSDXC	Up to 64 GB <sup>3</sup>
Headphone/Microphone	Mini-jack stereo

WIRELESS	
Wireless	Qualcomm® WCN3980 IEEE802.11 a/b/g/n/ac/r/d/h/i/k/v/w
Data	Qualcomm® SDM660 - 4G LTE with C.A., HSPA+, UMTS
Carriers	Certified with Verizon, AT&T and FirstNet (Voice and Data) and capable of ePTT
Bluetooth®	v5.0 class 1 (Classic Mode/Low Energy Mode)
GPS	2m CEP50 (±2 to 4m) GLONAS
Near Field Communication	Type A, Type B, Felica
SIM	Nano SIM card slot (x2)

SECURITY	
Features	FIPS140-2 level-1 compliant ARM® TrustZone® (Built-in)

POWER	
Standard Battery	Li-ion 3.8 V, 3,200 mAh
Standard Battery Operation	Talk up to 27 hours Approx. 12 hours depending on user profile
Optional Long-Life Battery	Li-ion 3.8 V, 6,400 mAh
Long-Life Battery Operation	Talk up to 44 hours; Approx. 19 hours depending on user profile
Continuous Use Data	8 to 16 hours
Charging Time	Standard Battery: Power on/off approx. 2 hours Long-life Battery: Power on/off approx. 3.3 hours
Warm Swap	A minimum of 30 seconds
Warm Swap Battery	Keeps applications active minimum of 30 seconds
Consumption	Approx. 15 W
Add-Ons	Micro-USB charging capability sold separately

<sup>1</sup> US Patent No: US 9,141,245 B2; September 22, 2015

<sup>2</sup> Product functionality cannot be guaranteed if the operating system is modified or replaced by the user or a third party.

<sup>3</sup> 1 MB = 1,048,576 bytes, 1 GB = 1,073,741,824 bytes

<sup>4</sup> Operation has been tested and confirmed using the following Panasonic brand memory cards: SD (up to 2 GB), SDHC (up to 32 GB), SDXC (up to 64 GB). Compatibility with other SD devices is not guaranteed.

<sup>5</sup> 1-finger point touch is available in rain sensing touch mode

<sup>6</sup> Does not guarantee operation of all USB-compatible peripherals.

<sup>7</sup> The AC adaptor is designed for use with power sources that supply up to 240 V AC. The included AC cord is designed for use with power sources that supply up to 300V AC. Actual performance varies depending on usage conditions, connected peripherals, etc. Typically, operating time is reduced in colder environments. Talk time may vary according to cellular network condition. Measured with VOIP application. When the battery is fully charged (or not being charged) and the unit is off. Rated power consumption. Fast charging only occurs with Panasonic single and multi-bay desktop chargers or the charging cup with the 16v Panasonic power supply. Directly connected micro-USB (5v) charging takes ~80% longer to charge than stated fast charge cycles.

<sup>8</sup> Actual size may vary by unit configuration. Average weight. Actual weight may vary by unit configuration.

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1025 W. NASA Boulevard  
Melbourne, FL 32919