

M87J

8" Industrial Rugged Full IP65 Windows Tablet



Specifications

Display

- 8" 1920x1200 16:10 IPS LCD, 550 cd/m²

Touchscreen

- Capacitive multi-touch (5 points), hardness 7H
- Touch panel G+G; surface tempered glass + sensor glass

CPU

- Intel® Celeron® N5100 Quad Core, up to 2.8 GHz

Graphics

- Intel® HD Graphics Gen 11

Memory

- 8GB DDR4

Storage

- 128GB eMMC

OSD Function

- Power, 1x Function key (Barcode), Home key, Volume up/down

Ports I/O

- USB Type-C (charging and data transmission)
- USB 3.0 Type A
- Mini HDMI 2.0a
- 12-pins Pogo Pin Docking connector
- 3.5 mm headphone jack
- 1x TF Slot (Micro SD) up to max. 512GB
- 1x Nano SIM Slot
- 8 Ohm/1W Stereo speakers
- Built-in microphone, Sensitivity: -42db, Output Impedance 2.2kΩ

Communication

- WiFi 2.4GHz/5.8GHz 802.11a/b/g/n/ac
- BT v5.0
- 4G WAN : LTE FDD: B1/B3/B5/B7/B8/B20
LTE-TDD: B40 WCDMA: B1/B5/B8 GSM: 900/1800
Optional : NFC 13.56MHz, 2D Barcode

Positioning & Sensors

- G-sensor
- GPS / GLONASS

Cameras

- 8MP Rear with autofocus, flashlight function
- 5MP Front with fixed focus

Power

- Power input: 19V DC Jack connector
- 19V 4A external power adapter
- 5000 mAh / 7.6V Li-ion polymer, removable, 7 hrs¹ battery life

Dimensions

- Dimension (W x H x D): 236.7 mm x 155.7 mm x 20 mm
- Weight: 910g

System & Environment

- Operating -20°C to 60°C
- Storage -30°C to 70°C
- Drop : from 1.22 m (4 ft) *MIL-STD-810G
- Humidity : 95% (non-condensing)
- IP65 Protection

Operation System

- Windows 11 IoT Enterprise SAC/CBB
Optional : Windows 11 Pro , Windows 10 Pro
Windows 10 IoT Enterprise 2021 LTSC

Available Options

- 2D Barcode scanner
- NFC 13.56 MHz

Available Accessories

- standard external power adapter
- standard hand-strap
- Docking station DC87J
- 4x Battery charger MDC87J
- Car power adapter, 12-24V DC input, 19V/3A output
- Leather cover
- TP Resist film
- Vehicle mount

1. Tested with 50% volume sounds, 50% screen brightness, 1080P HD video playback

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I/O Details



Optional Accessories



Hand-strap
1pc. include



Power adapter
1pc. include



Docking Charger



Vehicle mount



Quad charging



Car charger



Leather Cover



TP Resist film

Ordering Information

more configurations on request

PN	CPU/SOC	RAM	Storage	WiFi/BT	LTE/GPS	NFC/RFID/Fingerprint	Additional options	Operating System
M87J-GJ75N3NQ	N5100	8GB	128GB	yes	yes	no	no	Windows 11 IoT Ent.
M87J-GJ75N3NU	N5100	8GB	128GB	yes	yes	no	2D Barcode	Windows 11 Pro
M87J-GJ75A3NQ	N5100	8GB	128GB	yes	yes	yes	no	Windows 11 IoT Ent.
M87J-GJ75A3NU	N5100	8GB	128GB	yes	yes	yes	2D Barcode	Windows 11 Pro