

# M900MGN

## 8" ARM Genio 510 Android Rugged Tablet



CE

FC

### KEY FEATURES

- 8" 1280 x 800 IPS LED panel with direct optical bonding
- Android 13.0
- 4G RAM + 64G eMMC
- ARM Genio 510, 2 x A78 2.0GHz + 4 x A55 2.0GHz
- Optional WWAN 4G
- Projected capacitive (PCAP) multitouch
- Sunlight readable with antiglare solution

### INTRODUCTION

The M900MGN is a rugged Android tablet built for reliable field performance. It features an 8-inch 1280x800 IPS LED display with direct optical bonding and antiglare treatment for excellent outdoor visibility. Powered by the ARM Genio 510 processor with 4GB RAM and 64GB eMMC, it delivers smooth multitasking in demanding environments. With glove-compatible PCAP touch and optional 4G WWAN, it is designed to keep teams connected and productive on the move.

### SPECIFICATIONS

#### Display

Type	Projected Capacitive Multi Touch	Touch Mode	Support Hand / Gloves and Rain Mode
Bonding	Optical Bonding for Sunlight Viewability	Resolution	1280x800
Size	8.0 inches	Contrast Ratio	1500:1
Panel Brightness	800.0 nits	View Angles	80,80,80,80

#### System Specification

Processor	ARM Genio 510 2 x A78 2.0GHz + 4 x A55 2.0GHz	Memory	4GB LPDDR4
Storage	Onboard 64 GB	Operating System	Android 13.0
WLAN	Support	BT	Support
WWAN	4G/LTE (Optional)	GNSS	GPS/AGPS
RFID	NFC Reader (Optional)	Sensors	G-Sensor, E-Compass, Gyro, Light Sensor

#### Camera

Front Camera	8MP Camera	Rear Camera	13MP Camera with LED Auxiliary Light (Auto Focus)
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#### Mechanical

Dimension	226.6 x 147.8 x 21.5 mm	Weight	900g
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#### IO Ports

USB Port	1 x USB 3.0 Type A 1 x USB 2.0 Type C OTG (support PD 3.0 charging)	SD Card Slot	1 x Micro SD Card Slot
SIM Card Slot	1 x SIM Card Slot	Audio	2 x Built-in Digital Mic 2 x 1W Speaker

LAN	1 x RJ45	Indicator	2 x LED Indicators (Power, Battery)
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## Environment

Operating Humidity	10% to 90% RH, Non-Condensing	Operating Temperature	-20°C to 60°C
Storage Temperature	-30°C to 70°C	Shock	MIL-STD-810H Method 516.6 Procedure I
Vibration	MIL-STD-810H Method 514.6 Procedure I	IP rating	IP65
Drop	MIL-STD-810H Method 516.6, 4 ft		

## Certification

Certification	CE, FCC
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## Security Function

SOTI MobiControl	SOTI MobiControl Compliance
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## Control

Button	1 x Power, 1 x Menu, 3 x Programmable Function Keys
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## Power

Battery	7.6V, typ. 4200 mAh Li Polymer Battery (2S2P)	Power Rating	19V DC
Adapter	100-240 AC to 19V DC out Adapter 100W PD Adapter (Optional)		

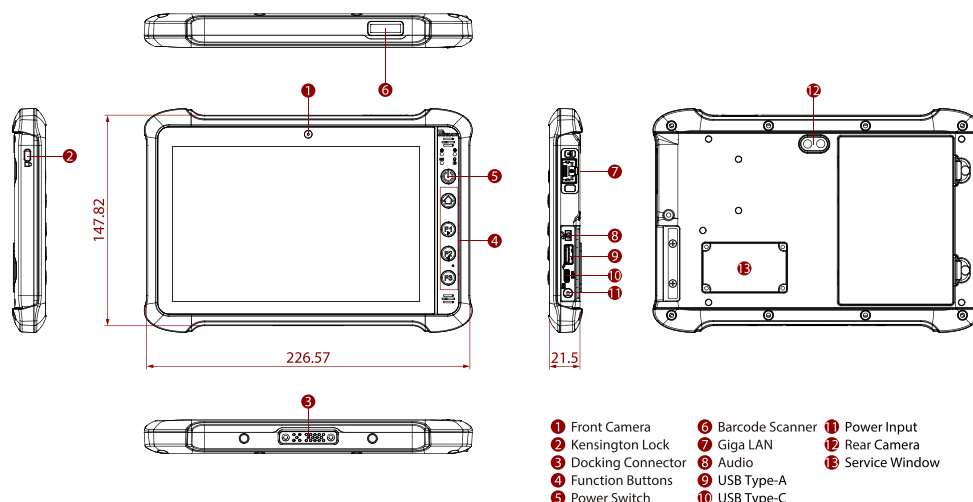
## Accessory

Accessory	Adapter and Power Cord Standard Battery Pack	Optional Accessory	Desk Dock Vehicle Dock Vehicle Cradle Vehicle Charger Battery Charger Hand Strap Capacitive Stylus PD Adapter
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## Barcode Scanner

Barcode Scanner	1D/2D Barcode Reader (Optional)
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## DIMENSIONS UNIT:MM



## NOTE

1. This is a simplified drawing and some components are not marked in detail.
2. Please contact our sales representative if you need further product information.
3. All specifications are subject to change without prior notice.
4. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the Winmate Sales Team for more information.