

FM07MG

7" ARM A78 + A55 Android Vehicle Mounted PC



KEY FEATURES

- 7" 1024 x 600 panel with projected capacitive MultiTouch screen
- ARM 2 x A78 2.0GHz + 4 x A55 2.0GHz
- M12 waterproof connectors , IP65 waterproof and dustproof
- Wide power input 9-24V DC with ignition
- Shock and vibration resistance according to MIL-STD-810H



SPECIFICATIONS

Display			
Resolution	1024x600	Size	7.0 inches
Contrast Ratio	700:1	Panel Brightness	1000.0 nits
View Angles	75,75,75,70	Active Area	153.6x90 mm
Touch / Glass	Projected Capacitive Multi Touch Screen		
System Specification			
Processor	ARM 2 x A78 2.0GHz + 4 x A55 2.0GHz	Memory	4GB LPDDR4
Storage	Onboard 32 GB	Operating System	Android 13 Linux Yocto 5.10.104 with QT 5.15 (Optional) Linux Ubuntu 22.04 (Optional)
WLAN	Support	WWAN	4G/LTE (Optional)
GPS	GPS/GLONASS (Optional)	RFID	NFC (Optional)
Environment			
Operating Humidity	10% to 95% RH	Operating Temperature	-20°C to 60°C
Storage Temperature	-20°C to 60°C	Shock	MIL-STD-810H Method 516.8 Procedure I
Vibration	MIL-STD-810H Method 514.8 Procedure I	IP rating	IP65
Certification			
Certification	CE, FCC		
Control			
Button	1 x Power Button, 5x Function Button (Programmable Function Key Configured by Winset)		
IO Ports			
USB Port	2 x USB for DB9 1 X USB Type-C	Serial Port	1 x RS232/422/485 (Default RS232)
SD Card Slot	1 x Micro SD card slot (Max to 32GB)	SIM Card Slot	1 x SIM Card Slot (Optional)
Audio	1x Speaker	LAN	1 x LAN 10/100/1000 Mbps (M12 type)
Indicator	Power	DIDO	DIDO (5XDI ; 3XDO)
CANBUS	1 x CANBus		
Mechanical			
Dimension	190 x 146 x 40 mm	Weight	1.25 kg

Mounting RAM Mount/ VESA Mount Cooling System Fanless Design

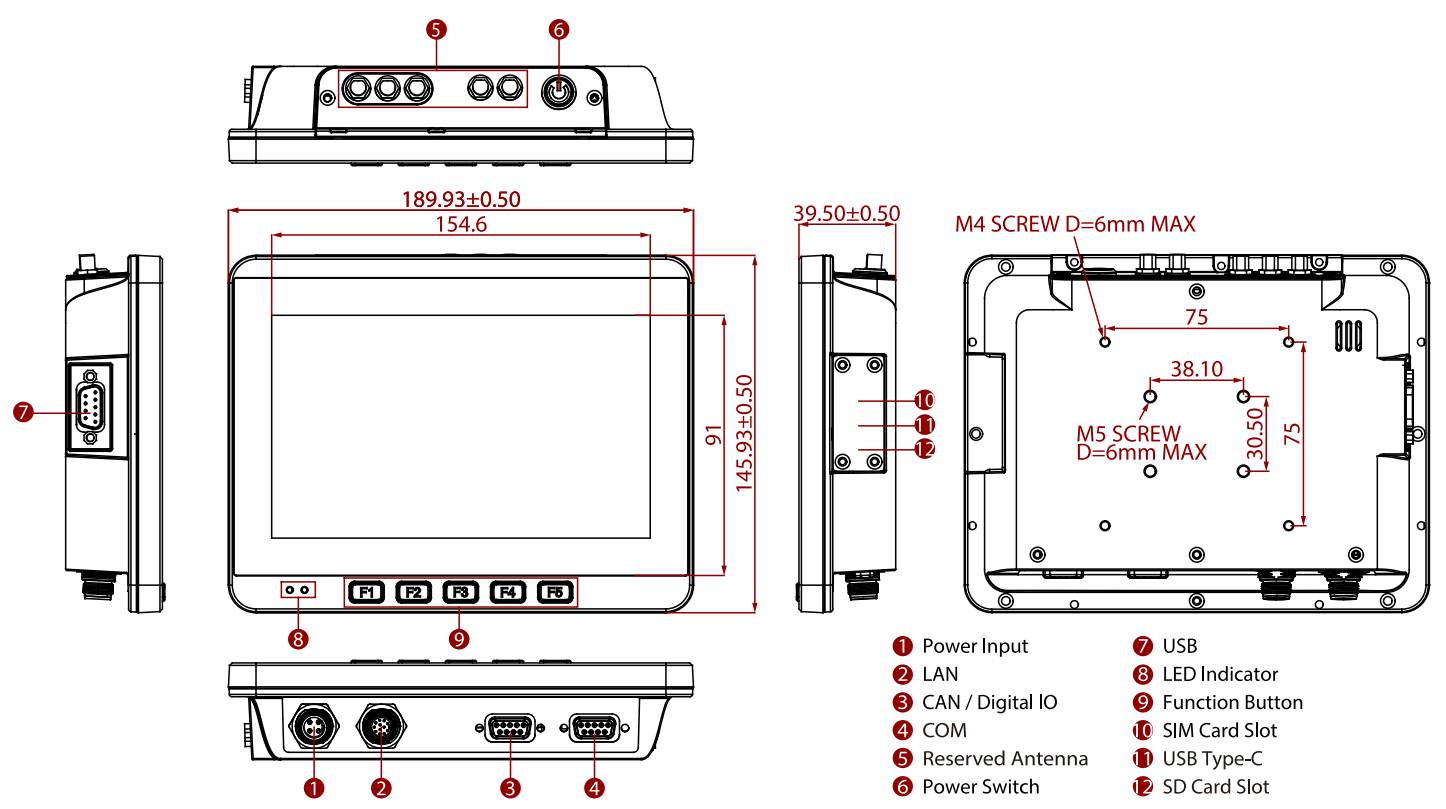
Accessory

Accessory	User Guide M12 LAN Cable, 1.8m RS232 Cable, 1.8m M12 Power Cable, 1.8m USB Cable, 0.3m CANBus Cable, 1.8m WLAN Antenna x1 Power Converter Cable Power Adapter	Optional Accessory	WWAN Antenna x 2 (Optional) Audio Cable, 0.3m (Optional) GPS Antenna, 3m (Optional)
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Power

Power Rating 9V~24V, with ignition control

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.