

# 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

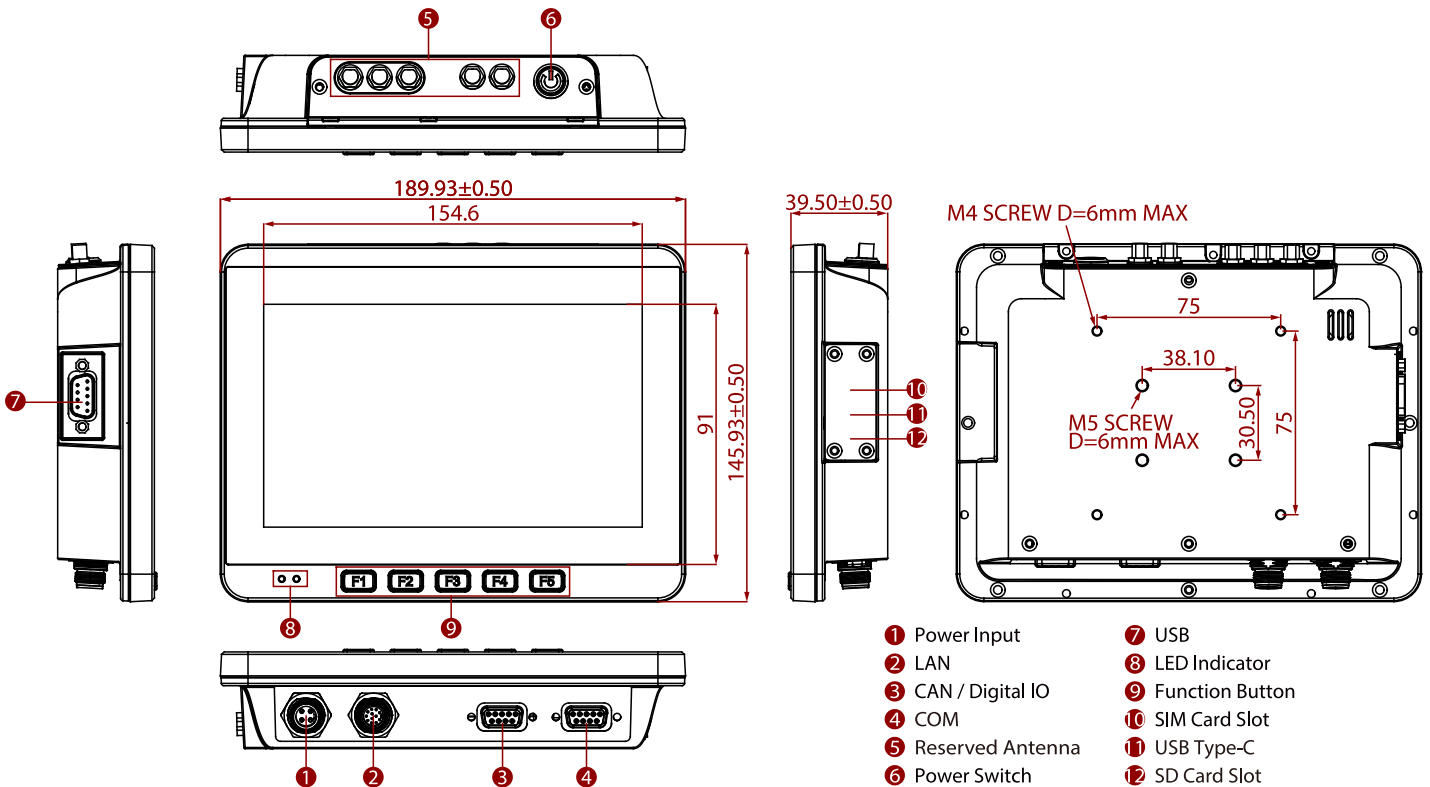


### SPECIFICATIONS

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

<b>Mounting</b>	RAM Mount/ VESA Mount	<b>Cooling System</b>	Fanless Design
<b>Accessory</b>			
<b>Accessory</b>	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	<b>Optional Accessory</b>	WWAN Antenna x 2 (Optional) Audio Cable, 0.3m (Optional) GPS Antenna, 3m (Optional)
<b>Power</b>			
<b>Power Rating</b>	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.