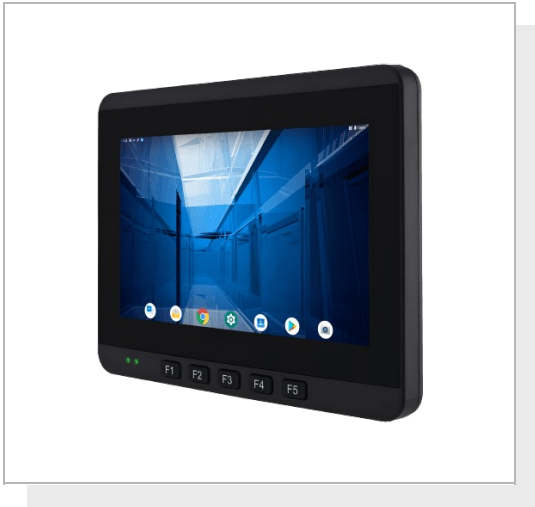


# FM07M

## 7" ARM A53 Android Vehicle Mounted PC



### KEY FEATURES

- 7" 1024 x 600 panel with projected capacitive multitouch screen
- ARM A53 Quad Core 2.0GHz android vehicle mounted pc
- Wide power input 9-24V DC with ignition
- M12 waterproof connectors , IP65 waterproof and dustproof
- Shock and vibration resistance according to MIL-STD-810H
- Support Android or Linux operating system

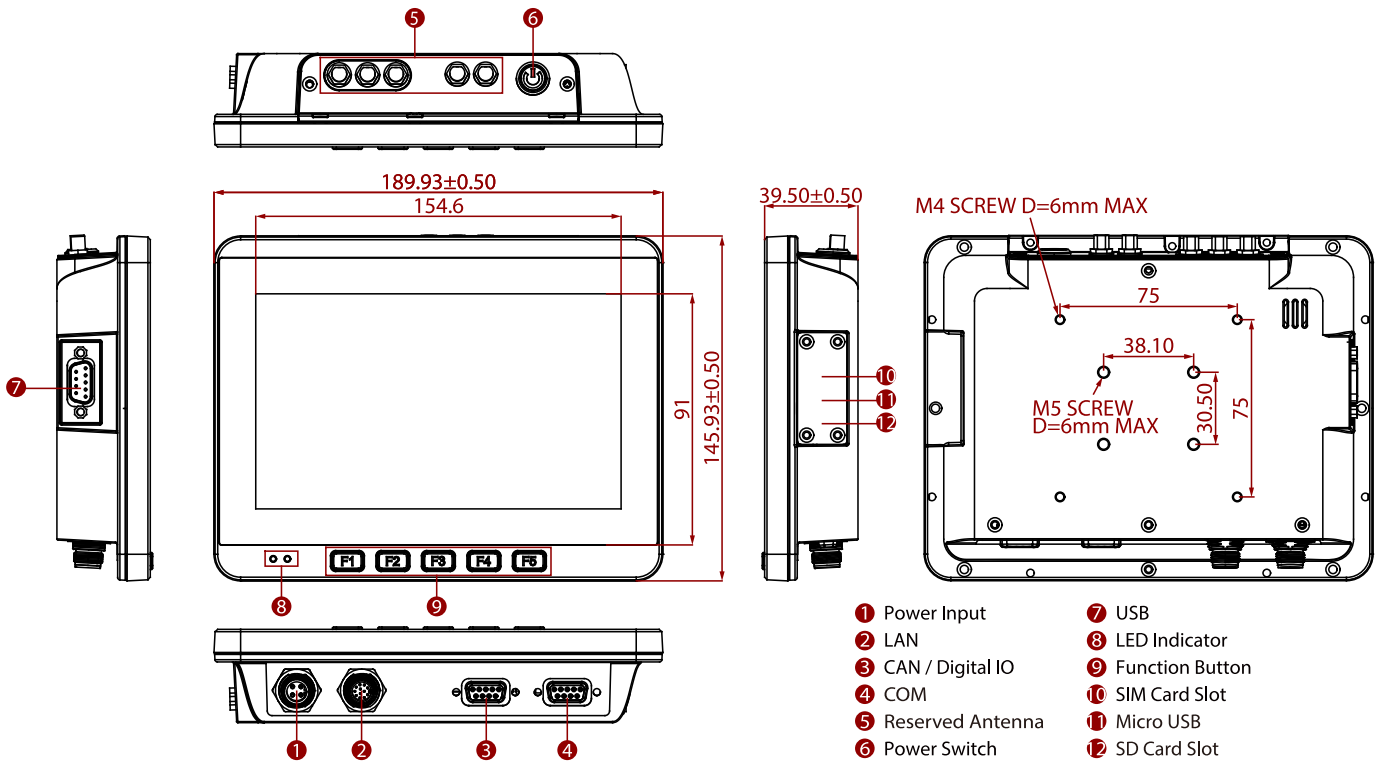


### SPECIFICATIONS

Display			
<b>Resolution</b>	1024x600	<b>Size</b>	7 inches
<b>Contrast Ratio</b>	700:1	<b>Panel Brightness</b>	1000 nits
<b>View Angles</b>	75,75,75,70	<b>Active Area</b>	153.6x90 mm
<b>Touch / Glass</b>	Projected Capacitive Multi Touch Screen		
System Specification			
<b>Processor</b>	ARM A53 Quad Core 2.0GHz	<b>Memory</b>	4GB LPDDR4
<b>Storage</b>	32GB eMMC	<b>Operating System</b>	Android 11 (Upgradeable to Android 13) Linux Yocto 5.10.104 with QT 5.15 (Optional) Linux Ubuntu (in 2023) (Optional)
<b>WLAN</b>	Support	<b>WWAN</b>	4G/LTE (Optional)
<b>GPS</b>	GPS/GLONASS	<b>RFID</b>	NFC (Optional)
Environment			
<b>Operating Humidity</b>	10% to 95% RH	<b>Operating Temperature</b>	-20°C to 60°C
<b>Storage Temperature</b>	-20°C to 60°C	<b>Shock</b>	MIL-STD-810H Method 516.6 Procedure I
<b>Vibration</b>	MIL-STD-810H Method 514.8 Procedure I	<b>IP rating</b>	IP65, Compliance IEC60592
Certification			
<b>Certification</b>	CE, FCC		
Control			
<b>Button</b>	1 x Power Button, 5x Function Button (Programmable Function Key Configured by Winset)		
IO Ports			
<b>USB Port</b>	2 x USB for DB9 1 x Micro USB OTG	<b>Serial Port</b>	1 x RS232/422/485 (Default RS232)
<b>SD Card Slot</b>	1 x Micro SD card slot (Max to 32GB)	<b>SIM Card Slot</b>	1 x SIM Card Slot (Optional)
<b>Audio</b>	1x Speaker	<b>LAN</b>	1 x LAN 10/100/1000 Mbps (M12 type)
<b>Indicator</b>	Power	<b>DIDO</b>	DIDO (5XDI ; 3XDO)
<b>CANBUS</b>	1 x CANBus		
Mechanical			

<b>Dimension</b>	190 x 146 x 40 mm	<b>Weight</b>	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 BT 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. Total usable memory will be less dependent upon actual system configuration.
2. Length measurements do not include protrusions. Weight varies with options.
3. Accessories may vary depending on your configuration.
4. This is a simplified drawing and some components are not marked in detail.
5. 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.