FM07A

7" Vehicle Mounted Computer

KEY FEATURES

- 7" 1024 x 600 panel with projected capacitive Multi-Touch screen
- Android-based i.MX 6 Dual Core 1 GHz Processor
- M12 waterproof connectors , IP65 waterproof and dustproof
- Shock and vibration resistance according to MIL-STD-810G
- Wide power input 9-24V DC with ignition

CE E_{13} FC IP65 Waterproof COMPLIANT MIL-STD 810G

SPECIFICATIONS

Display

Resolution	1024x600	**Size**	7.0 inches
Contrast Ratio	700:1	**Panel Brightness**	1000 nits
View Angles	75,75,75,70	**Type**	Projected Capacitive Multi Touch Screen

System Specification

Processor	NXP i.MX6 Dual Core, 1.0GHz	**Memory**	1GB 2GB(Optional)
Storage	Onboard 16GB eMMC Onboard 32GB eMMC(Optional)	**Operating System**	Linux Ubuntu 18.04(Optional) Android 6.0(Optional) Debian 7.0(Optional) Linux 4.1.15 QT 5.5 (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-810G Method 516.6 Procedure I, 30 g for 18 ms
Vibration	MIL-STD-810G Method 514.6 Procedure I, 1.60/ 1.96/ 2.18 g rms for XYZ/ 5-500 Hz	**IP rating**	IP65, Dustproof and Waterproof
Impact	Support EN62262 IK70 Rating	**ESD**	Compliant with EN 61000-4-2, enhanced ESD to ±12kV direct & ±15kV air

Certification

Certification	CE, FCC, E-mark

IO Ports

USB Port	2 x USB for DB9	**Serial Port**	1 x COM Port
SIM Card Slot	1 x SIM Card Slot	**Audio**	1x Speaker
LAN	1 x Gigabit Ethernet LAN 10/100/100 Mbps (M12 type)	**Indicator**	Power, HD
DIDO	DIDO (5XDI ; 3XDO)		

Control

Button	1 x Power Button, 5x Function Button (Programmable Function Key Configured by Winset)

Mechanical

Dimension	188.75 x 144.75 x 39.5 mm	**Weight**	1.25 kg

Mounting	RAM Mount/ VESA Mount	**Cooling System**	Fanless Design
Housing	Metal Housing(Back cover aluminum housing) with Plastic Bezel		

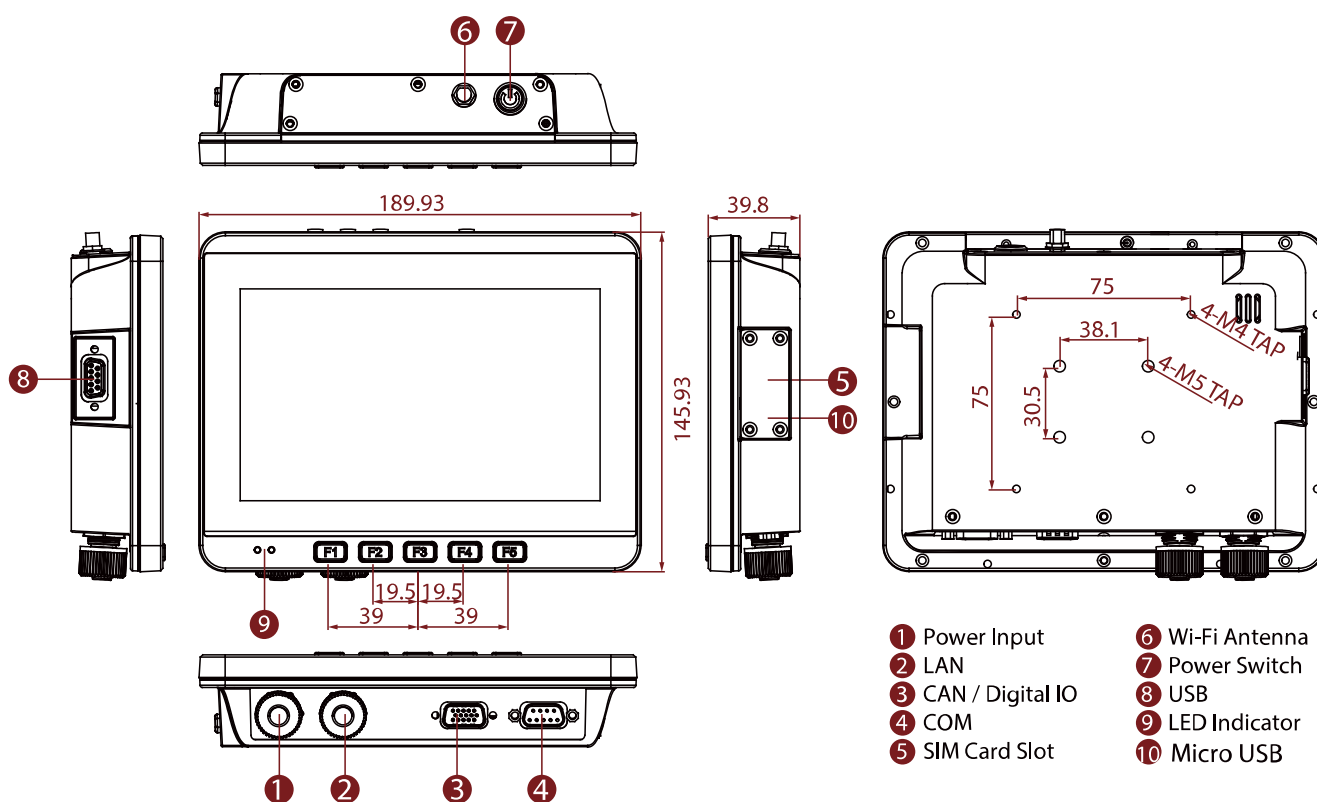| **Accessory**			
Accessory	User Guide Driver CD M12 LAN Cable, 1.8m RS-232 Cable, 1.8m M12 Power Cable, 1.8m USB Cable, 0.3m CANBus Cable, 1.8m Wi-Fi Antenna Power Converter Cable Power Adapter	**Optional Accessory**	WWAN Antenna x 2(Optional) Audio Cable, 0.3m(Optional) GPS Antenna, 3m(Optional)

Power			
Power Rating	9V-24V, with ignition control		

DIMENSIONS   UNIT:MM

❶ Power Input	❻ Wi-Fi Antenna
❷ LAN	❼ Power Switch
❸ CAN / Digital IO	❽ USB
❹ COM	❾ LED Indicator
❺ SIM Card Slot	❿ Micro USB

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.