

# FM07

## 7inch Vehicle Mounted Computer with M12 connector



### KEY FEATURES

- Intel® Celeron® N3350 Apollo Lake Vehicle Mounted Computer
- 7" 1024 x 600 panel with projected capacitive Multi-Touch screen
- Wide power input 9-36V DC with ignition
- M12 waterproof connectors
- IP65 waterproof and dustproof
- Shock and vibration resistance according to MIL-STD-810G



## OVERVIEW

### SPECIFICATIONS

<b>Display</b>			
<b>Resolution</b>	1024x600	<b>Size</b>	7.0 inches
<b>Contrast Ratio</b>	700:1	<b>Panel Brightness</b>	1000.0 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		
<b>System Specification</b>			
<b>Processor</b>	Intel Celeron N3350 1.1GHz (up to 2.4GHz) Intel Pentium N4200 1.1GHz (up to 2.5GHz) (Optional)	<b>Memory</b>	1 x SO-DIMM, DDR3L 1600 MHz, 4GB 8GB (Optional)
<b>Storage</b>	1 x M.2 2242 SSD 128GB	<b>Ethernet controller</b>	1 x Intel® Ethernet Controller
<b>Security</b>	TPM 2.0	<b>Operating System</b>	Windows 10 IoT Enterprise (64 bit) Linux Ubuntu 20.04 (Optional)
<b>WLAN</b>	Support	<b>BT</b>	Support
<b>WWAN</b>	4G/LTE (Optional)	<b>GNSS</b>	GPS, GLONASS
<b>Environment</b>			
<b>Operating Humidity</b>	10% to 95% RH	<b>Operating Temperature</b>	-20°C~60°C
<b>Storage Temperature</b>	-20°C~60°C	<b>Shock</b>	MIL-STD-810G Method 516.6 Procedure I
<b>Vibration</b>	MIL-STD-810G Method 514.6 Procedure I	<b>IP rating</b>	IP65, Dustproof and Waterproof
<b>Certification</b>			
<b>Certification</b>	CE, FCC E-mark		
<b>IO Ports</b>			
<b>USB Port</b>	2 x USB for DB9	<b>Serial Port</b>	1 x RS232/422/485 (Default RS232)
<b>SIM Card Slot</b>	1 x SIM Card Slot	<b>Audio</b>	1x Speaker
<b>LAN</b>	1 x Gigabit Ethernet LAN 10/100/100 Mbps (M12 type)	<b>Front Control</b>	5 x Function Key
<b>Indicator</b>	Power, HD	<b>DIDO</b>	DIDO (5XDI ; 3XDO)
<b>CANBUS</b>	2 x CANBUS		
<b>Control</b>			
<b>Button</b>	1 x Power Button, 5x Function Button (Programmable Function Key Configured by Winset)		
<b>Mechanical</b>			
<b>Dimension</b>	190 x 146 x 40 mm	<b>Weight</b>	1.25 kg
<b>Mounting</b>	RAM Mount	<b>Cooling System</b>	Fanless Design
<b>Accessory</b>			
<b>Accessory</b>	User Guide M12 LAN Cable, 1.8m RS-232 Cable, 1.8m M12 Power Cable, 1.8m USB Cable, 0.3m CANBus and DIDO Cable, 1.8m WLAN Antenna	<b>Optional Accessory</b>	WWAN Antenna x 2 (Optional) Audio Cable, 0.3m (Optional) GPS Antenna, 3m (Optional)

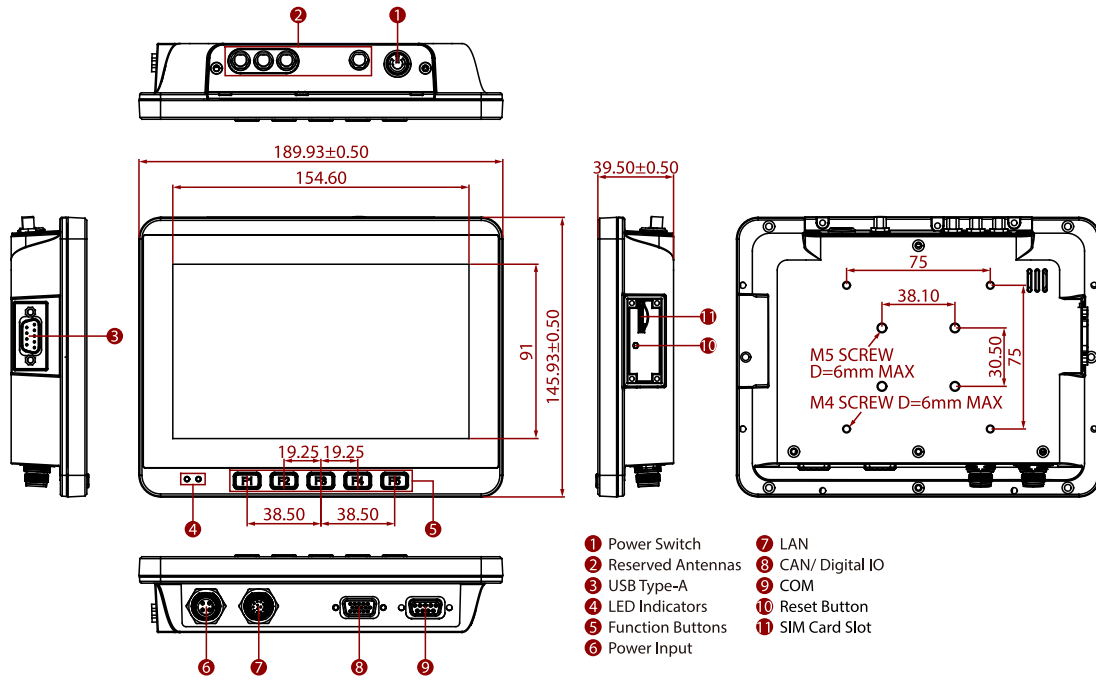
**Power**

**Power Rating** 9V-36V, with ignition control

**Consumption**

Max: 35W

**DIMENSIONS** UNIT:MM



- ① Power Switch
- ② Reserved Antennas
- ③ USB Type-A
- ④ LED Indicators
- ⑤ Function Buttons
- ⑥ Power Input
- ⑦ LAN
- ⑧ CAN/ Digital IO
- ⑨ COM
- ⑩ Reset Button
- ⑪ SIM Card Slot

**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.
6. COM port can supply 5V power via the 9th pin.