

FM07E

7inch Windows Vehicle Mounted Computer with Intel® Celeron® N6211



KEY FEATURES

- Intel® Celeron® N6211 Elkhart Lake, Windows 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

Display	
Resolution	1024x600
Contrast Ratio	700:1
View Angles	75,75,75,70
Touch / Glass	Projected Capacitive Multi Touch Screen
Size	7.0 inches
Panel Brightness	1000.0 nits
Active Area	153.6x90 mm
System Specification	
Processor	Intel Celeron N6211 1.2GHz (up to 3.0GHz)
Memory	1 x SO-DIMM, DDR4 3200 MHz, 4GB 8GB (Optional) 16GB (Optional)
Storage	1 x M.2 2242 SSD 128GB
Ethernet controller	1 x Intel® Ethernet Controller
Security	TPM 2.0
Operating System	Windows 10 IoT Enterprise (64 bit) Linux Ubuntu 20.04 (Optional)
WLAN	Support
BT	Support
WWAN	4G/LTE (Optional)
GNSS	GPS, GLONASS
Environment	
Operating Humidity	10% to 95% RH
Operating Temperature	-20°C~60°C
Storage Temperature	-20°C~60°C
Shock	MIL-STD-810G Method 516.6 Procedure I
Vibration	MIL-STD-810G Method 514.6 Procedure I
IP rating	IP65, Dustproof and Waterproof
Certification	
Certification	CE, FCC
IO Ports	
USB Port	2 x USB for DB9 1 x Micro USB
Serial Port	1 x RS232/422/485 (Default RS232)
SIM Card Slot	1 x SIM Card Slot
Audio	1x Speaker
LAN	1 x Gigabit Ethernet LAN 10/100/100 Mbps (M12 type)
Front Control	5 x Function Key
Indicator	Power, HD
DIDO	DIDO (5XDI ; 3XDO)
CANBUS	2 x CANBUS
Control	
Button	1 x Power Button, 5x Function Button (Programmable Function Key Configured by Winset)
Mechanical	
Dimension	190 x 146 x 40 mm
Weight	1.25 kg
Mounting	RAM mount
Cooling System	Fanless Design
Accessory	
Accessory	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
Optional Accessory	WWAN Antenna x 2 (Optional) Audio Cable, 0.3m (Optional) GPS Antenna, 3m (Optional)

WLAN Antenna
 Power Converter Cable
 Power Adapter

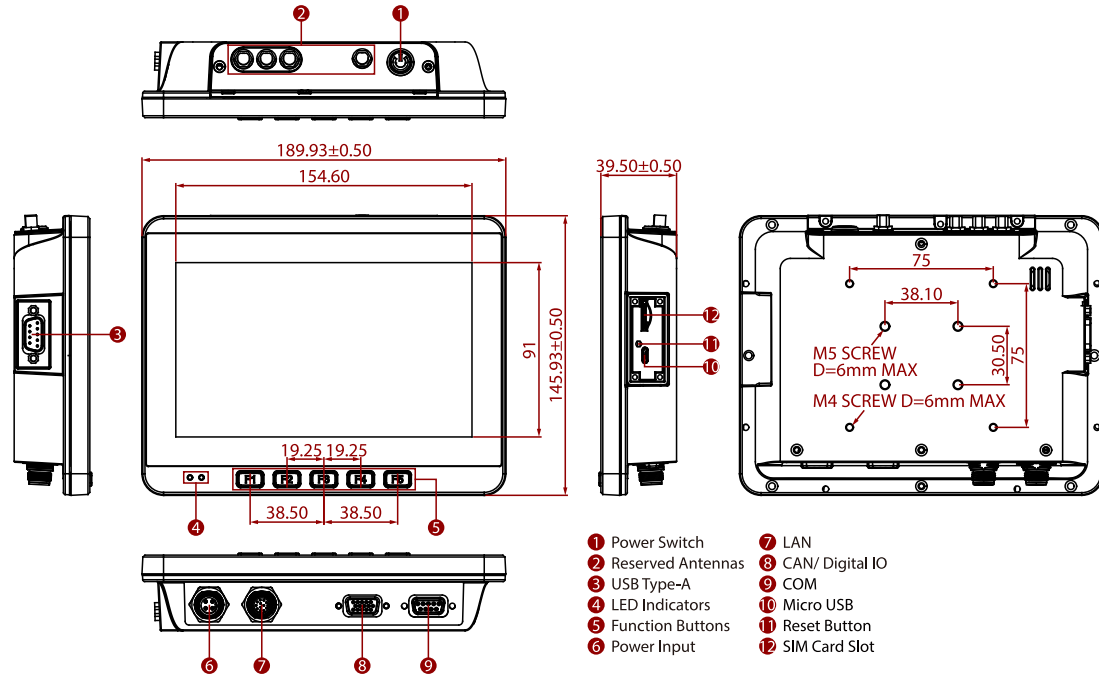
Power

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 Micro USB
- ⑪ Reset Button
- ⑫ 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.