

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



Vibration and shock-proof design ensure reliable performance

Winmate FM07E builds to survive with its rugged enclosure that enhances the FM07E’s durability. Vibration and shock resistance compliance with MIL-STD-810G standard, IP65 rating with M12 water- and dustproof connectors. Suitable for various in-vehicle mounting and industrial applications.



Programmable Function Keys

Save time finding your commonly used application with the programmable function keys. Customize each button’s function and its combinations to fit your needs.



High-Performance CPU

To support the next generation of IoT edge devices, FM07E is equipped with a new line of processors enhanced for IoT—the Intel Elkhart Lake Series processors. Improve processing capabilities and graphics performances with integrated IoT features, real-time performance, manageability, security, and functional safety.



Built to Survive

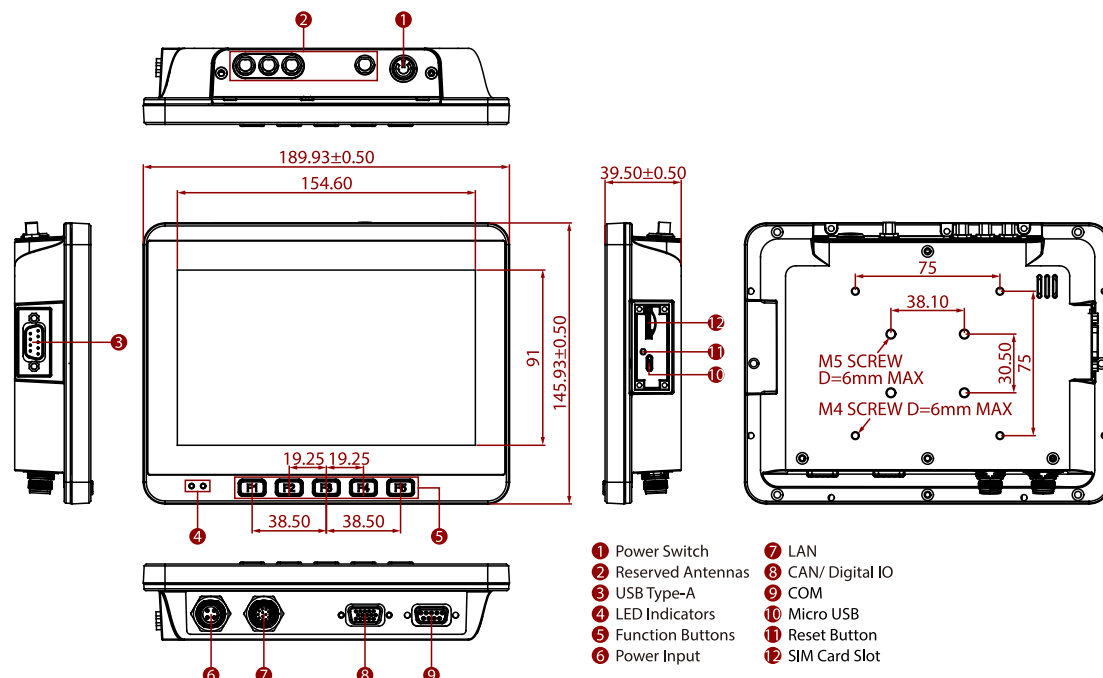
Winmate’s FM07E is built to survive the extreme temperature range. It can operate through extreme cold -20°C to 60°C heat. Suitable for cold chain, logistic, warehouse, and industrial applications.

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	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)

WLAN	Support	BT	Linux Ubuntu 20.04 (Optional) 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 WLAN 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-36V, with ignition control	Consumption	Max: 35W

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