

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



Easy In-Vehicle Installation

Winmate FM07 series supports VESA and RAM mounts to help you save time and ease installing the vehicle-mounted computer. The FM07 is easily mounted and fully rugged, helping you to have higher work efficiency. For more mounting information, please visit [RAM Mount](#), [VESA Mount](#)



Vehicle Power Solution

Wide power input with the ignition control feature detects the ignition signal status and allows users to control the on or off delay time setting through the customized software utility. Power input voltage varies by model.



Programmable Function Keys

Save time on finding your favored application on the screen using 5 programmable function keys. Customize the function for your unique application.



Wireless Connectivity

The FM07 series vehicle-mounted computer features wireless connectivity WLAN, BT, and GPS to help you stay connected no matter where a task brings you. Add an optional WWAN feature for your in-vehicle IoT application.



Built to Survive

The FM07 is a fixed mount computer built to survive the rigors of the road. Vibration and shock-resistant, the FM07 series is compliant with the MIL-STD-810G standard, IP65 water and dustproof. Winmate's FM07 Series is built to survive extreme weather, operates through temperature changes from -20°C to 60°C, and is suitable for cold storage 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 N3350 1.1GHz (up to 2.4GHz) Intel Pentium N4200 1.1GHz (up to 2.5GHz) (Optional)	Memory	1 x SO-DIMM, DDR3L 1600 MHz, 4GB 8GB (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 E-mark		
IO Ports			
USB Port	2 x USB for DB9	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

