

FM12E 12.1" Forklift Mounted Computers with Intel(R) Elkhart lake x6413E

Manufacturer part number: FM12E | Windows Vehicle Mounted Computers



Winmate FM12E Windows vehicle-mounted computer features a rugged PCAP touchscreen, service-friendly design, and reliable performance for industrial logistics.

Display	
Size	12.1 inches
Type	Projected Capacitive Multi Touch
Resolution	1024x768
Panel Brightness	400 nits(Default), 800 (Optional)
Contrast Ratio	1000:1
View Angles	89,89,89,89
Touch Mode	Support Hand, Stylus, Glove Mode
System Specification	
Processor	Intel Atom x6413E 1.5GHz (up to 3GHz) (Default), Intel Atom x6425E 2GHz (up to 3GHz) (Optional), Intel Atom x7433RE 1.5 GHz (up to 3.4 GHz) (Optional), Intel Atom x7835RE 1.3 GHz (up to 3.6 GHz) (Optional)
Memory	4GB (Default), 8GB(Optional) , 16GB(Optional)
Storage	128GB (Default), 256GB (Optional), 512GB (Optional)
Security	TPM 2.0
Operating System	Windows 10 IoT Enterprise LTSC (64 bit) (Default), Windows 11 IoT Enterprise LTSC (64 bit) (Optional)
WLAN	Support
BT	Support
WWAN	4G/LTE (Optional)
GNSS	GPS/AGPS
Sensors	G-Sensor, Light Sensor ,Temp Sensor
Camera	
Front Camera	2MP Camera
Environment	
Operating Humidity	5% to 90% RH, Non-Condensing
Operating Temperature	-30 deg C to 60 deg C
Storage Temperature	-30 deg C to 60 deg C
Shock	MIL-STD-810H Method 516.8 Procedure I

Vibration	MIL-STD-810H Method 514.8 Procedure I
IP rating	IP65
Impact	Support EN62262 IK07 Rating
ESD	Compliant with EN 61000-4-2, enhanced ESD to +/-8kV direct & +/-12kV air
Certification	
Certification	CE, FCC, FCC (Electromagnetic Emissions), IC (ICES-003), UL60950-1, EN60950-1, PTCRB
Control	
Button	1 x Power Button, 5 x Function Button, (Programmable Function Key Configured by Winset)
IO Ports	
USB Port	1 x USB Type-C(Tablet), 1 x DB9 Connector for 2 x USB 2.0 Port(Docking)
Serial Port	2 x COM Port(Docking)
LAN	1 x Gigabit LAN port(Docking)
Audio	2 x Speaker(Docking), 1 x CANBus or 1 x Audio(Docking)
SD Card Slot	1 x Micro SD Card Slot(Tablet)
SIM Card Slot	1 x Dual-Nano SIM Card Slot
Indicator	4 x LED Indicator, (WLAN, UPS battery, HDD, Heater)
Docking Connector	SMA Connector(female) for external antenna WLAN (Default), SMA Connector(female) for external antenna GPS (Optional), SMA Connector(female) for external antenna WWAN (Optional)
Mechanical	
Dimension	Tablet: 307 x 225 x 41 mm, Docking: 202 x 245 x 52 mm
Docking Housing	Aluminum Alloy Housing
Weight	Tablet 1.7 kg, Docking 1.6 kg
Mounting	RAM mount/ VESA mount
Cooling System	Fanless Design
Security Function	
SOTI MobiControl	SOTI MobiControl Compliance
Accessory	
Accessory	5M Power Cable with Fuse Kit, 0.3M USB Cable, 0.15M Power Converter Cable, DC Jack Power Cable, 84W Adapter with power cable, Cable Clamp Kit, WLAN Antenna x 2, Quick Start Guide, External Antenna Fixing Bracket, Dock + Latch Locking Key, Stylus Kit + Screw
Optional Accessory	1.8M RS232 Cable, 0.3M Audio Cable, 1.8M CAN BUS Cable, 1.8M CAN BUS Open Wire Cable, 2M IP65 LAN Cable, GPS & LTE 2M Combo Antenna(VM240), GPS & LTE 5M Combo Antenna (VM9C), Magnetic Combo Antenna (VM10S), WWAN Antenna
Power	
Battery	7.6V UPS Battery (2S1P), Minimum 30 minutes
Power Rating	Docking: 10V-60V with ignition control , , Tablet: 12V DC In
Consumption	45W (Typical)