

## 8" Windows Fleet Management Terminal with Intel® Celeron® Processor

### Overview

The FMT-618 is a fantastic fleet management data terminal. It boasts an impressive 8-inch touch screen and runs on the powerful Intel® Celeron® platform. It comes pre-installed with either Windows 10 or Linux operating systems, making it suitable for various fleet management applications in the industry. Additionally, the FMT-618 can seamlessly integrate WiFi, LTE, Bluetooth, and GPS modules for real-time data exchange, navigation, and communication purposes. With its 10-point capacitive touchscreen, users can enjoy friendly and efficient operations during their daily tasks.

### Features

- 8" TFT-LCD with projective capacitive touchscreen
- Rugged metal enclosure and fanless design
- Wide range 8-36VDC power input with ignition control
- Flexible expansion capability for Wi-Fi, Bluetooth, LTE, 5G, GPS, CAN2.0B
- Support Windows 10 and Linux operating systems



### I/O Interfaces

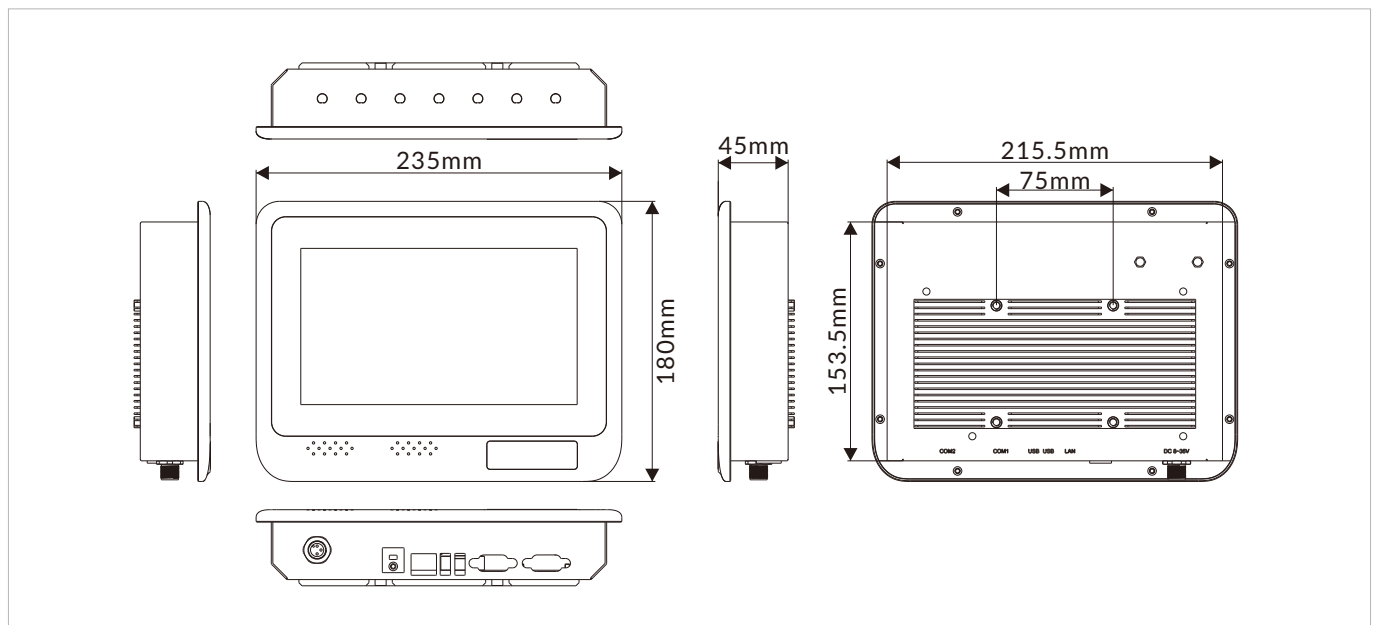


## Specifications

<b>Display</b>	
Size	8 inch (16:10)
Touch Type	Projected capacitive multi touch
Display Type	TFT LCD
Resolution	1280 x 720
Luminance	750 nits
Contrast Ratio	1000: 1
View Angles	85 (left), 85 (right), 85 (up), 85 (down)
Color	16.2M
<b>System</b>	
CPU	Intel® Celeron® J1900, quad core (2.0 GHz)
Chipset	Intel® Atom™ and Celeron® Processor SoC
Memory	4GB DDR3L-1333 SO-DIMM (up to 8GB)
Storage	128GB mSATA SSD (up to 512GB)
Graphics	Intel® HD Graphics
BIOS	SPI BIOS
<b>Keypad &amp; Keyboard</b>	
Keypad	Power On/Off Brightness adjustment Power LED indicator
<b>I/O Ports</b>	
USB	1x USB 2.0 (Type A) 1x USB 3.0 (Type A)
Serial	1x RS-232/422/485 (COM1 supports 5V/12V, DB9) 1x RS-232 (COM2 supports 5V, DB9)
Ethernet	1x GbE LAN
SIM Card Slot	1x Nano SIM Socket
DIO	4x DI + 2x DO (optional, with 3.3V, replace COM2 port)
CAN bus	2x CAN2.0B (optional, supports J1939 protocol, replace COM2 port)
Antenna	7x SMA connector for external antenna (Wi-Fi, Bluetooth, WWAN, GPS)
<b>RF Communication</b>	
Wi-Fi	Wi-Fi 5: 802.11a/b/g/n/ac, 2.4G/5G
Cellular	4G, LTE 5G, NSA/SA (optional)
Bluetooth	Bluetooth 4.0/5.3
GNSS	GPS, GLONASS, Galileo, BeiDou (Ublox NEO M8N)
<b>Audio</b>	
Speaker	8Ω/2W, mono speaker
<b>Power</b>	
DC Input	8 to 36VDC
Power Consumption	12W (Typ.)
Ignition On/off	Power on delay, default 10 seconds Power off delay, default 10 seconds (On/Off delay time can be changed via BIOS setting)
Battery	7.2V 3350mAh (optional)
Power Mode	ATX (default), AT
<b>Operating System</b>	
Windows	Windows 10 IoT Enterprise LTSC Windows 10 Pro
Linux	Ubuntu 20.04

Mechanical	
Dimensions (W x D x H)	235 x 180 x 45 mm (9.25 x 7.08 x 1.77 inches)
Weight (N.W.)	1.8 kg (3.96 lbs)
Mounting Mode	VESA 75
Material	Aluminum+SGCC
Environment	
Operating Temperature	-20 to 60°C (-4 to 140°F)
Storage Temperature	-40 to 70°C (-40 to 158°F)
Relative Humidity	95% @ 70°C (158°F), non-condensing
Shock	MIL-STD-810G Method 516.6 Procedure I
Vibration	MIL-STD-810G Method 514.6 Procedure I
IP Rating	IP54 compliant
Certification	
EMC	CE, FCC

## Dimensions



## Optional Accessories

Part No.	Description
PWR836D512-M12	8 to 36VDC Input, 5V/12VDC Output, M12 connector

## Ordering Information

Part No.	Description
FMT-618-C75DJ-A013	FMT-618 with Intel® Celeron® J1900 processor, 4GB RAM(Apacer), 128GB mSATA(HIK), WiFi5(CM251HA), BT(CM251HA), 4G(SIM7600CE-L1S), Ubuntu18.04, SMA(1)-WiFi, SMA(2)-Bluetooth, SMA(3)-4G_M