

10.1" Windows Fleet Management Terminal with Intel® Celeron® Processor

Overview

FMT-728H is a fleet management data terminal that comes with 10.1-inch touch screen, and Intel® Celeron™ platform. Pre-installed Windows 10 or Linux operating system for applications in fleet management industry. WiFi, LTE, Bluetooth and GPS modules can be all integrated into the FMT-728H for realtime data exchange, navigation and communications. 10-point capacitive touchscreen provide users friendly operations quickly and easily in the actual operation.

Features

- 10.1" TFT-LCD with projective capacitive touch screen
- Rugged aluminum 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



I/O Interfaces



Specifications

Display	
Size	10.1 inch (16:10)
Touch Type	Projected capacitive multi touch
Display Type	TFT LCD
Resolution	1920 x 1200
Luminance	350 cd/m ²
Contrast Ratio	1000: 1
View Angles	85 (left), 85 (right), 85 (up), 85 (down)
Color	16.2M
System	
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
Keypad & Keyboard	
Keypad	Power On/Off Brightness adjustment Power LED indicator
I/O Ports	
USB	1 x USB 2.0 (Type A) 1 x USB 3.0 (Type A)
Serial	1 x RS-232/422/485 (COM1 supports 5V/12V, DB9) 1 x RS-232 (COM2 supports 5V, DB9)
Ethernet	1 x GbE LAN
SIM Card Slot	1 x Nano SIM Socket
DIO	4 x DI + 2 x DO (optional, with 3.3V, replace COM2 port)
CAN bus	2 x CAN2.0B (optional, supports J1939 protocol, replace COM2 port)
Antenna	6 x TNC connector for external antenna (Wi-Fi, Bluetooth, WWAN, GPS)
RF Communication	
Wi-Fi	Wi-Fi 5: 802.11a/b/g/n/ac, 2.4G/5G
Cellular	4G, LTE 5G, NSA/SA (optional)
Bluetooth	Bluetooth 5.0
GNSS	GPS, GLONASS, Galileo, BeiDou (Ublox NEO M8N)
Audio	
Speaker	8Ω/2W, mono speaker
Power	
DC Input	8-36VDC
Power Consumption	14W (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)
Power Mode	ATX (default), AT
Operating System	
Windows	Windows 10 IoT Enterprise LTSC Windows 10 Pro
Linux	Ubuntu 20.04

Mechanical	
Dimensions (W x D x H)	280 x 210 x 46 mm (11.02 x 8.27 x 1.81 inches)
Weight (N.W.)	2.2 kg (4.85 lbs)
Mounting Mode	VESA 75 and 100
Material	Die-casting Aluminum with Heavy Duty Metal
Environment	
Operating Temperature	-20~60°C (-4~140°F)
Storage Temperature	-40~70°C (-40~158°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	IP65 compliant (I/O interface must be closed)
Certification	
EMC	CE, FCC

Dimensions

