

10.1" Android 11 Fleet Management Terminal with Rockchip RK3568 Processor

Overview

The FMT-715A is a fleet management data terminal that comes with an 10.1-inch touch screen and the Rockchip RK3568 platform. It features a pre-installed Android 11 operating system, specifically designed for applications in the fleet management industry. The FMT-715A allows for seamless integration of WiFi, LTE, Bluetooth, and GPS modules, enabling real-time data exchange, navigation, and communications. With its 10-point capacitive touchscreen, users can enjoy user-friendly and efficient operations during their daily tasks.

Features

- 10.1" TFT-LCD with projective capacitive touch screen
- 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 Android 11 operating system















I/O Interfaces





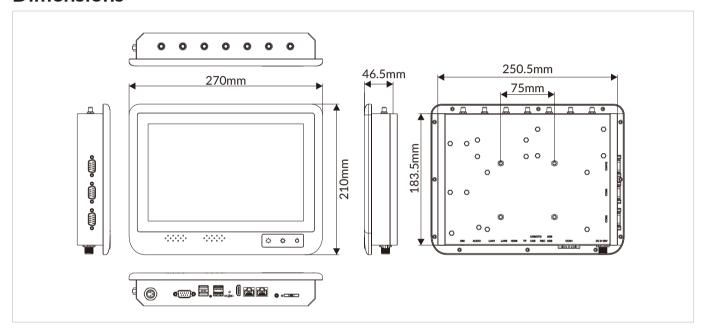
Specifications

Display	
Size	10.1 inch (16:10)
Touch Type	Projected capacitive multi touch
Display Type	TFT LCD
Resolution	1280 x 800
Luminance	400 nits
Contrast Ratio	900: 1
View Angles	85 (left), 85 (right), 85 (up), 85 (down)
Color	16.2M
System	
CPU	Rockchip RK3568, quad core (2.0 GHz)
Memory	4GB LPDDR4-3200 on board
Storage	32GB eMMC 5.1
Keypad & Keyboard	
	Power On/Off
Keypad	Brightness adjustment
	Power LED indicator
I/O Ports	
	3x USB 2.0 (Type A)
USB	1x USB 3.0/OTG (Type A)
Serial	3x RS-232 (COM1/2/3, DB9)
Ethernet	2x GbE LAN
Display	1x HDMI
SIM Card Slot	1x SIM Socket
TF Card Slot	1x TF Card Slot (up to 64GB)
CAN bus	2x CAN2.0B
Antenna	7x SMA connector for external antenna (Wi-Fi, Bluetooth, WWAN, GPS)
RF Communication	7 X 3147A Confidence for external affectina (VVI 11), Blackooth, VVVVAIA, Of 37
Wi-Fi	Wi-Fi 5: 802.11a/b/g/n/ac, 2.4G/5G
	4G, LTE
Cellular	5G, NSA/SA (optional)
Bluetooth	Bluetooth 4.0/5.3
GNSS	GPS, GLONASS, Galileo, BeiDou (Ublox NEO M8N)
Audio	GF 3, GLOTASS, Gailleo, Delbou (Oblox TVEO TVIOTY)
	$8\Omega/2W$, mono speaker
Speaker Power	osz/ zww, mono speaker
	8-36VDC
DC Input	
Power Consumption	14W (Typ.)
Ignition On/off	Optional, Power mode should be changed to AT mode,
	Power on delay, default 10 seconds
D 14 1	Power off delay, default 10 seconds
Power Mode	ATX (default), AT
Operating System	A 1 *144
Android	Android 11
Mechanical	
Dimensions (W x D x H)	270 x 210 x 46.5 mm (10.63 x 8.27 x 1.83 inches)
Weight (N.W.)	2.2 kg (4.85 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-715A-C525C-A001	FMT-715A with Rockchip RK3568 processor, 4GB RAM, 32GB SSD, WiFi5, BT, 4G, GPS, Android 11
	SMA(1)-WiFi/Bluetooth, SMA(2)-4G_M, SMA(3)-GPS
	FMT-715A with Rockchip RK3568 processor, 4GB RAM, 32GB SSD, WiFi5, BT, 5G, GPS, Android 11
	SMA(1)-WiFi/Bluetooth, SMA(2)-5G1, SMA(3)-5G2, SMA(4)-5G3, SMA(5)-5G4, SMA(6)-GPS