

8" Android 11 Fleet Management Terminal with Rockchip RK3568 Processor

Overview

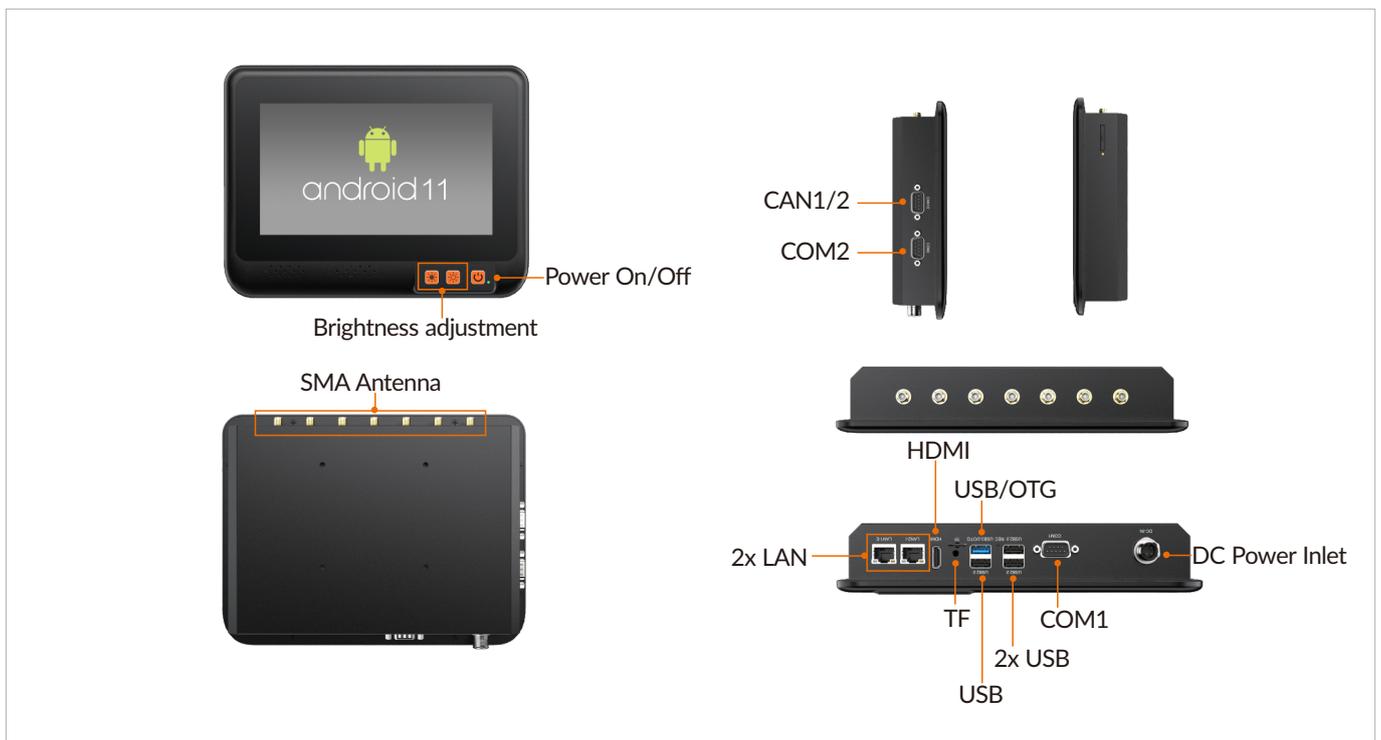
The FMT-615A is a fleet management data terminal that comes with an 8-inch touch screen and the Rockchip RK3568 platform. It features a pre-installed Android 11 operating system, specifically designed for applications in the fleet management industry. The FMT-615A allows for seamless integration of WiFi, 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

- 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 Android 11 operating system



I/O Interfaces

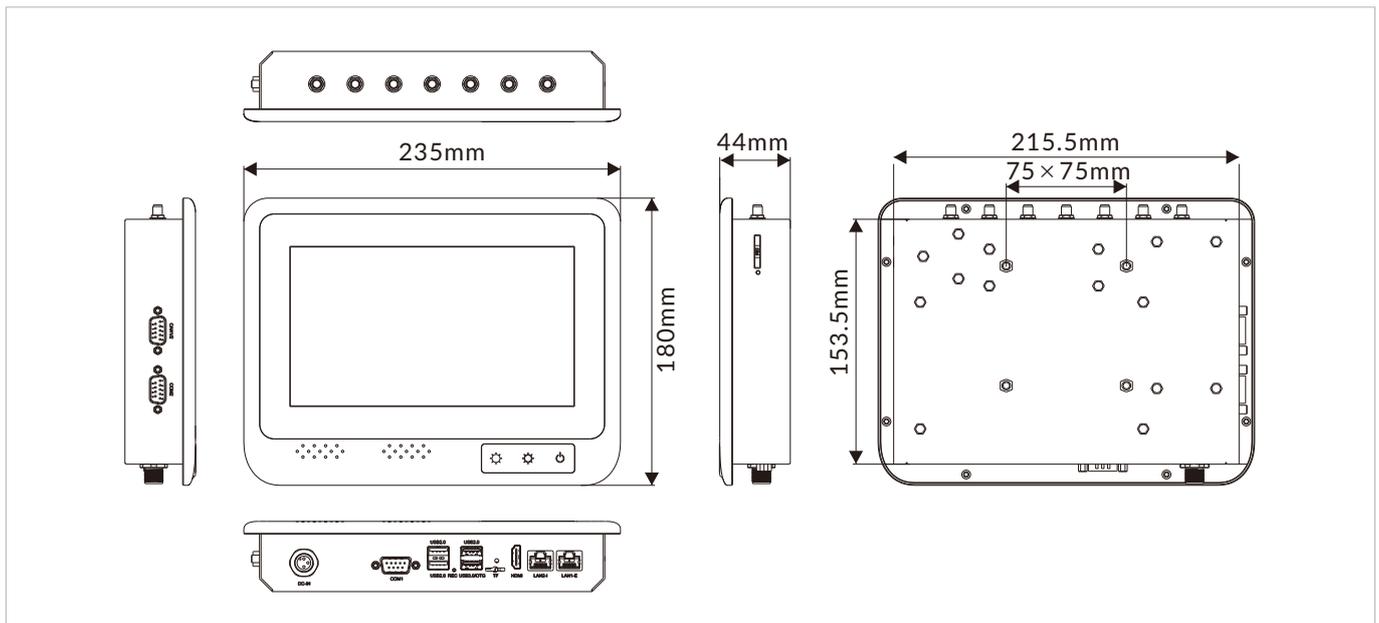


Specifications

| | |
|------------------------------|---|
| Display | |
| 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 |
| System | |
| CPU | Rockchip RK3568, quad core (2.0 GHz) |
| Memory | 4GB LPDDR4-3200 on board |
| Storage | 32GB eMMC 5.1 |
| Keypad & Keyboard | |
| Keypad | Power On/Off Brightness adjustment Power LED indicator |
| I/O Ports | |
| USB | 3x USB 2.0 (Type A) 1x USB 3.0/OTG (Type A) |
| Serial | 2x RS-232 (COM1/2, 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 | |
| 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) |
| Audio | |
| Speaker | 8Ω/2W, mono speaker |
| Power | |
| DC Input | 8-36VDC |
| Power Consumption | 12W (Typ.) |
| Ignition On/off | Optional, Power mode should be changed to AT mode, Power on delay, default 10 seconds Power off delay, default 10 seconds |
| Power Mode | ATX (default), AT |
| Operating System | |
| Android | Android 11 |
| 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-615A-C5C5C-A001 | FMT-615A 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-615A-C595D-A001 | FMT-615A 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 |