

# FMT-615A

**DARVEEN**

8" Android 11 Fleet Management Terminal with Rockchip RK3568 Processor

## Overview

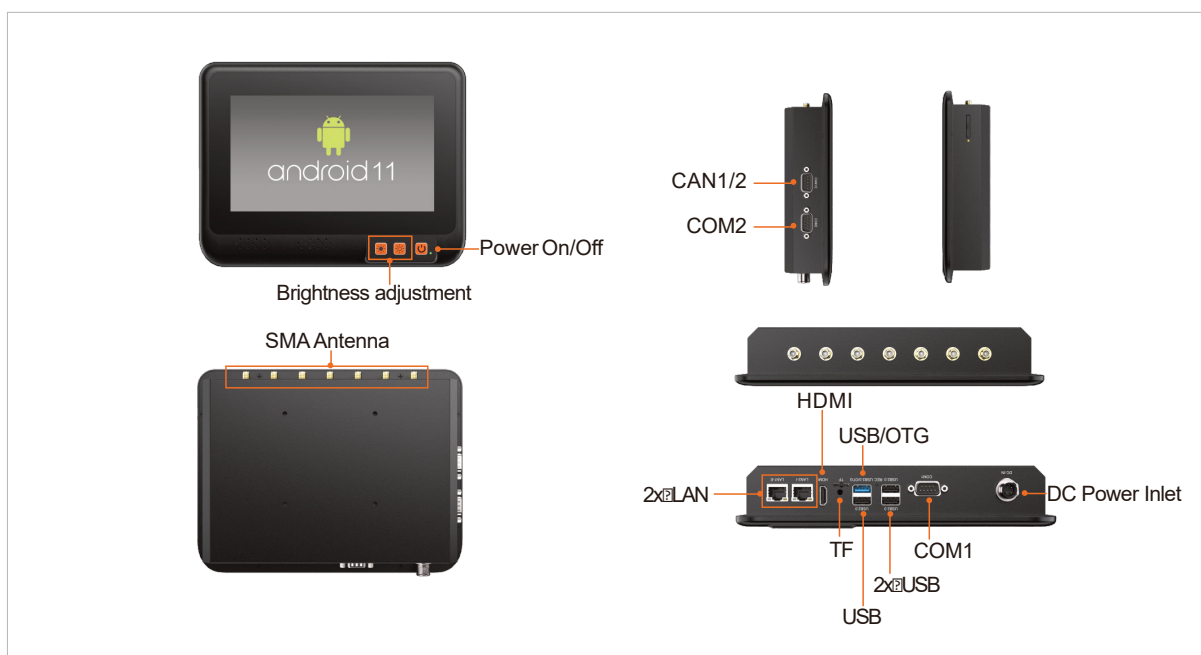
The FMT-615A is a fleet management data terminal that comes with an 8-inch touch screen and the Rockchip RK3568 platform. It features a pre-installed Android 11 operating system, specifically designed for applications in the fleet management industry. The FMT-615A allows for seamless integration of WiFi,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



[www.darveen.com](http://www.darveen.com)

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## Specifications

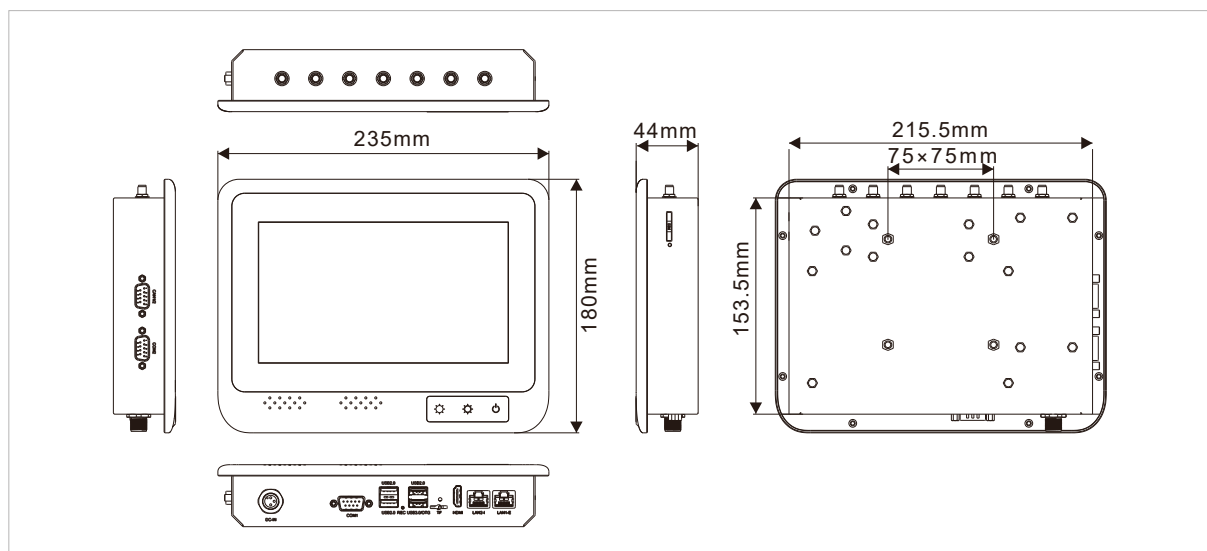
|                        |                                                                                                                                 |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Display                |                                                                                                                                 |
| Size                   | 8 inch (16:10)                                                                                                                  |
| Touch Type             | Projected capacitive 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<br>Brightness adjustment<br>Power LED indicator                                                                    |
| I/O Ports              |                                                                                                                                 |
| USB                    | 3x USB 2.0 (Type A)<br>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<br>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,<br>Power on delay, default 10 seconds<br>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          | VESA75                                                                                                                          |
| Material               | Aluminum+SGCC                                                                                                                   |

# FMT-615A

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| 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 |