

## 12.1" Android 12 Vehicle Mount Computer with RK3588 Processor

### Overview

VT-862A is a 12.1-inch rugged and compact vehicle mount computer designed for trucks, forklift and other applications. It is fanless, wide temperature and wide-range dc input design. VT-862A is equipped with high performance 8-core processor, integrated 12.1-inch TFT LCD with projective capacitive touch screen, built-in Wi-Fi 5, Bluetooth 4.2, 4G LTE, GNSS modules to provide real-time communication connection.

### Features

- 12.1" TFT-LCD with projective capacitive touch screen
- Front panel integrated function keys control
- Rugged aluminum enclosure and fanless design
- IP66 protection against water and dust
- MIL-STD-810H vibration testing standards compliant
- Wide range 8 to 36VDC power input with ignition control
- Flexible expansion capability for Wi-Fi 5, Bluetooth 4.2, LTE, GNSS



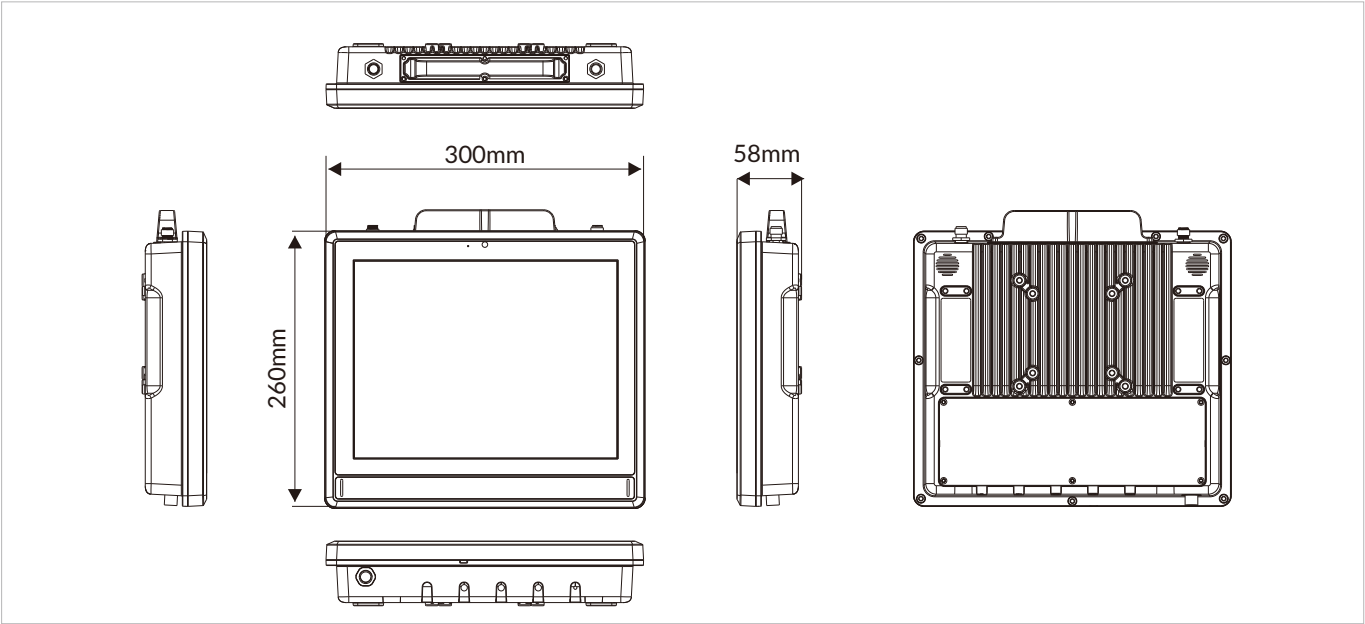
### I/O Interfaces



## Specifications

|                              |                                                                                                                |
|------------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Display</b>               |                                                                                                                |
| Size                         | 12.1 inch (4:3)                                                                                                |
| Touch Type                   | Projected capacitive multi touch                                                                               |
| Display Type                 | TFT LCD                                                                                                        |
| Resolution                   | 1024 x 768                                                                                                     |
| Luminance                    | 1000 nits                                                                                                      |
| Contrast Ratio               | 1000: 1                                                                                                        |
| View Angles                  | 85 (left), 85 (right), 85 (up), 85 (down)                                                                      |
| Color                        | 16.7M                                                                                                          |
| <b>System</b>                |                                                                                                                |
| CPU                          | Rockchip RK3588, octa-core A76+A53 (2.4 GHz)                                                                   |
| Memory                       | 4GB DDR4 on board                                                                                              |
| Storage                      | 64GB EMMC on board                                                                                             |
| <b>Keypad &amp; Keyboard</b> |                                                                                                                |
| Keypad                       | Power On/Off<br>Brightness and volume adjustment<br>F1 to F6 user-defined function keys<br>Power LED indicator |
| <b>I/O Ports</b>             |                                                                                                                |
| USB                          | 1x USB 2.0/OTG (Type A) , 1x USB 2.0 (Type A)                                                                  |
| Serial                       | 2x RS-232 (DB9)                                                                                                |
| Ethernet                     | 1x LAN (RJ45)                                                                                                  |
| Display                      | 1x HDMI                                                                                                        |
| SIM Card Slot                | 1x SIM Socket                                                                                                  |
| TF Card Slot                 | 1x TF Socket (up to 128GB)                                                                                     |
| Antenna                      | 2 to 8x TNC connector for external antenna (Wi-Fi, Bluetooth, WWAN, GNSS)                                      |
| <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 4.2                                                                                                  |
| GNSS                         | GPS, GLONASS, Galileo, BeiDou                                                                                  |
| <b>Audio</b>                 |                                                                                                                |
| Speaker                      | 8Ω/2W, dual studio speakers                                                                                    |
| <b>Power</b>                 |                                                                                                                |
| DC Input                     | 8 to 36VDC                                                                                                     |
| Power Consumption            | 18W (Typ.)                                                                                                     |
| Power Mode                   | ATX (default), AT                                                                                              |
| <b>Operating System</b>      |                                                                                                                |
| Android                      | Android 12                                                                                                     |
| <b>Mechanical</b>            |                                                                                                                |
| Dimensions (W x D x H)       | 300 x 260 x 58 mm (11.8 x 10.24 x 2.28 inches)                                                                 |
| Weight (N.W.)                | 3.8 kg (8.4 lbs)                                                                                               |
| Mounting Mode                | VESA 75 and 100                                                                                                |
| Material                     | Die-casting Aluminum with Heavy Duty Metal                                                                     |
| <b>Environment</b>           |                                                                                                                |
| Operating Temperature        | -30 to 60°C (-22 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-810H Method 514.8 Procedure I                                                                          |
| Vibration                    | MIL-STD-810H Method 516.8 Procedure I                                                                          |
| IP Rating                    | IP66 compliant                                                                                                 |
| <b>Certification</b>         |                                                                                                                |
| 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                                                                                                                                                            |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| VT-862A-D210C-A01 | VT-862A + CTP(1000) + RK3588 + 4GB RAM + 64GB Flash + Android 12 + WiFi5 + Bluetooth4.2 + 4G(EC20) + GPS(UG-M80) + TNC(1)-WiFi_M/Bluetooth + TNC(2)-4G_M + TNC(8)-GPS; |