VT-531

7” Resistive Touch, TI OMAP3530 Platform, Windows CE6.0, Vehicle Mount Computer

Introduction
VT-531 is a mini vehicle mounted computer that comes with 7-inch touch screen and ARM Cortex A8 processor for high reliability and performance. It is an industrial grade vehicle mount terminal designed for applications in warehousing, logistics, delivery, fleet management and container terminal operating system, where it is mounted in industrial vehicles, such as forklifts, trucks, trailers, cranes and other heavy-duty vehicles. WiFi, 3.5G/LTE, Bluetooth and GPS modules can be integrated into the VT-531 for realtime data exchange, navigation and communications. The reserved F1-F6 and 0-9 numeric keys on the front panel are for users to operate accurately and conveniently.

Features
- 7” LED backlight panel with resistive touchscreen
- Rugged aluminum enclosure and fanless design
- IP65 dust/water protection
- Meet MIL-STD 810G standard anti-vibration shock
- Wide range 8-36V DC Power input with ignition control
- VESA 75 and 100 standard mounting
- Flexible expansion capability for WiFi, Bluetooth, LTE/HSPA+, GPS

Applications
- Port and Container Yards
- Manufacturing Logistics
- Warehouse Management
- Heavy Duty Vehicle
- Fleet Management

Vehicle Mount Computer
### Dimensions

![Dimensions Diagram]

### Specifications

#### System
- **Processor**: TI OMAP 3530 Cortex A8 600MHz
- **System Memory**: 256MB On-board DRAM
- **Storage**: 2GB On-board Flash
- **Operating System**: Windows CE6.0

#### Display
- **Size**: 7-inch
- **Resolution**: 800 x 480
- **Brightness**: 400 nits
- **Backlight**: LED Backlight

#### Touchscreen
- **Type**: 4-Wire Resistive Touch

#### Keypad & Keyboard
- **Keypad**: F1-F6 Function and 0-9 Number Keys
- **Volume and Brightness Adjustment Keys**: Backspace and Enter Keys

#### RF Communication
- **WLAN**: 802.11b/g (Optional, CCX v4 Certificated)
- **WWAN**: 3G (Optional, HSPA+, EDGE, GSM/GPRS)
- **4G (Optional, LTE, HSPA+, EDGE, GSM/GPRS, EVDO)
- **Bluetooth**: Bluetooth 2.1 (Optional)
- **GPS**: SIRF III GPS/Glonass (Optional), Beidou GPS (Optional)

#### Processor
- **Series Port**: 1 x RS-232 (COM4, full-function)
- **USB Port**: 2 x USB2.0 Host
- **LAN Port**: 1 x LAN (RJ-45)
- **Others**: 1 x Power Connector
- **Audio**: 2 x TNC and 1 x SMA Connector for External Antenna (WiFi, Bluetooth, WWAN, GPS)
- **Speaker**: 1 x Speaker (8ohm, 2w)
- **Power Input**: 240 x 190 x 59 mm
- **Weight**: 2.0 Kg

#### Environmental
- **Operating Temperature**: -20~60°C
- **Relative Humidity**: 5%-95%, non-condensing
- **Proof**: IP65 (I/O interface must be closed)
- **Shock**: MIL-STD-810G Method 516.6 Procedure I
- **Vibration**: MIL-STD-810G Method 514.6 Procedure I
- **Certifications**: CE, FCC