

**ruggVMC**

**MT7000**

7" Mobile Data Terminal



- ◆ 7" intuitive PCT touch screen
- ◆ Health readiness via SAE J1939
- ◆ Diverse wireless connectivity for field usage
- ◆ GNSS with dead reckoning function
- ◆ Smart power management with ignition sense and backup battery
- ◆ Vehicle-grade power protection

## I/O Diagram



## Specifications

### System

- ◆ Intel® Atom™ E3815 1.46 GHz, optional Intel® Atom™ E3826 1.46 GHz
- ◆ 2 GB DDR3L SODIMM
- ◆ mSATA SSD, Micro SD slot
- ◆ Built-in 3-axis G-sensor, dual speaker
- ◆ Operating system (option) : Windows 10 IoT Enterprise, Android 4.4

### Display

- ◆ 7-inch WXGA TFT LCD (1024 x 600), 500 nits support auto-dimming
- ◆ Capacitive multi touch (PCT)

### Communication

- ◆ GNSS (GPS / QZSS or GLONASS or BeiDou), optional dead-reckoning support
- ◆ Optional Wi-Fi 802.11 a/b/g/n/ac
- ◆ Optional 4G LTE / GPRS / HSPA+
- ◆ Optional Bluetooth V4.0 Class 2
- ◆ NFC / RFID by request

### Function Button

- ◆ Programmable button x 5, volume adjustment x 2, system on / off x 1

### I/O Interface

- ◆ RS-232 with power supported x 1, RS-232/422/485 x 1
- ◆ USB 3.0 x 1, USB 2.0 x 1
- ◆ Dual Micro SIM slot x 1
- ◆ Gigabit Ethernet (RJ45) x 1
- ◆ CAN bus (SAE J1939 supported) x 1
- ◆ Digital I/O x 4
- ◆ Headset jack x 1

### Power Management

- ◆ 9~36 VDC input
- ◆ Vehicle power protection (ISO7637-2)
- ◆ Ignition sense with time delay shut down
- ◆ Remote power on, wake on SMS / RTC
- ◆ UPS backup battery

### Rugged Features

- ◆ IEC 60529 IP65 (Except bottom side I/O)
- ◆ Vibration (operating) : MIL-STD-810G, Method 514.7 c2/c3/c4
- ◆ Shock (operating) : MIL-STD-810G, 40G at 11ms Terminal / Sawtooth

### Environmental

- ◆ Operating temperature : -30°C to 60°C
- ◆ Storage temperature : -30°C to 70°C
- ◆ Humidity 5-95%

### Dimensions / Weight

- ◆ Dimensions (W x H x D) : 220 x 152 x 40 (mm)
- ◆ Weight : 1.25 kg

### Certifications

- ◆ CE, FCC, eMark

### Software

- ◆ DashON

### IN-box Accessories

- ◆ Power cable
- ◆ GPS / Glonass antenna
- ◆ DB15 to USB cable
- ◆ DB15 to DIO / CAN bus cable assemblies

## Ordering Information

### ◆ MT7000-SA (P/N : 71-8I15300-B1001)

MT7000 with Intel E3815 1.46 GHz, 2 GB DDR3L, 64 GB mSATA and GPS / WIFI / BT with internal antenna

### ◆ MT7000-LA (P/N : 71-8I15300-B1002)

MT7000 with Intel E3826 1.46 GHz, 2 GB DDR3L, 64 GB mSATA and GPS / WIFI / BT with internal antenna

## Accessories



Mounting Kit



WWAN Antenna



WIFI / BT Antenna

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