

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