



RuggVMC MT7000

7" Mobile Data Terminal



IP65



MIL-STD-810G



SAE J1939



9~36VDC



Mark

- ◆ Bright 7" intuitive PCT screen support auto-dimming
- ◆ 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



Specifications

System

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

Display

- ◆ 7" WSVGA TFT LCD (1024 x 600), 500 nits brightness
- ◆ Capacitive multi touch (PCT)
- ◆ Support auto-dimming

Communication

- ◆ Gigabit Ethernet (RJ45)
- ◆ GNSS (GPS / QZSS or GLONASS or BeiDou), dead-reckoning supported
- ◆ Optional Wi-Fi 802.11 a/b/g/n/ac
- ◆ Optional 4G LTE / HSPA+ / GPRS
- ◆ Optional Bluetooth V4.0 Class 2

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
- ◆ CAN bus (SAE J1939 supported) x 1
- ◆ DI x 2, DO x 2
- ◆ Audio headset jack x 1
- ◆ DC-in x 1

Power Management

- ◆ 9~36 VDC input
- ◆ Vehicle power protection (ISO7637-2)
- ◆ Ignition sense with delay on/off setting
- ◆ Wake on 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 (Tested to MIL-STD-810G standards)

- ◆ Operating temperature -30°C to +60°C
- ◆ Storage temperature -30°C to +70°C
- ◆ Humidity 95%, non-condensing

Mechanical Spec

- ◆ VESA 75
- ◆ Dimension (W x H x D) : 220 x 152 x 40 (mm)
- ◆ Weight : 1.25kg

Certifications

- ◆ CE, FCC, E-Mark

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 : 71-8115300-B1001)
MT7000 with Intel E3815 1.46GHz, 2GB DDR3L, 64GB mSATA and GPS / WIFI / BT with internal antenna
- ◆ MT7000-LA (P/N : 71-8115300-B1002)
MT7000 with Intel E3826 1.46GHz, 2GB DDR3L, 64GB mSATA and GPS / WIFI / BT with internal antenna

Accessories



Mounting Kit



WWAN Antenna



WIFI / BT Antenna



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