



RuggVMC MT7010

7" Mobile Data Terminal



IP65



MIL-STD-810G



SAE J1939



9~36VDC



Mark

- ◆ Bright 7-inch PCT touch display with intuitive interface
- ◆ Ready to use auto-dimming function
- ◆ Health readiness via SAE J1939
- ◆ Diverse wireless connectivity for field usage
- ◆ Smart power management with ignition sense and backup battery
- ◆ Android 5.1 supported



Specifications

System

- ◆ Quad Core Cortex-A7 1.1GHz/ 1.3GHz
- ◆ 1GB/ 2GB LPDDR2 SDRAM
- ◆ 8GB/ 16GB eMMC and Micro SD slot
- ◆ Built-in 3-axis G-sensor, dual speaker
- ◆ OS supports Android 5.1

Display

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

Communication

- ◆ Gigabit Ethernet (RJ45)
- ◆ GNSS (GPS / GLONASS / BeiDou)
- ◆ 4G LTE / HSPA+ / GPRS
- ◆ Wi-Fi 802.11 a/b/g/n
- ◆ Bluetooth V4.1

Function Button

- ◆ Programmable button x 5
- ◆ System on/off x 1
- ◆ Volume adjustment x 2

I/O Interface

- ◆ RS-232 with power supported x 1
- ◆ RS-232/422/485 x 1
- ◆ USB 2.0 x 2
- ◆ Dual Micro SIM slot x 1
- ◆ CAN bus (SAE J1939 supported) x 1
- ◆ Digital I/O x 4
- ◆ Audio headset jack x 1
- ◆ DC-in x 1

Power Management

- ◆ 9~36 VDC input
- ◆ Ignition sense with delay on/off setting
- ◆ UPS backup battery
- ◆ Vehicle power protection (ISO7637-2)

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 -20°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, eMark

Software

- ◆ DashON

In-Box Accessories

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

Ordering Information

- ◆ **MT7010-QBE (P/N: 72-6I16900-10002)**
MT7010 with Quad-Core Cortex-A7 1.3GHz, 2GB RAM, 16GB eMMC, GPS, WIFI/ BT with internal antenna and Android 5.1 for EMEA
- ◆ **MT7010-QBN (P/N: 72-6I16900-10003)**
MT7010 with Quad-Core Cortex-A7 1.3GHz, 2GB RAM, 16GB eMMC GPS, WIFI/ BT with internal antenna and Android 5.1 for North America
- ◆ **MT7010-QBC (P/N: 72-6I16900-10004)**
MT7010 with Quad-Core Cortex-A7 1.1GHz, 1GB RAM, 8GB eMMC, GPS, WIFI/ BT with internal antenna and Android 5.1 for China

Accessories



Mounting Kit



WWAN Antenna



WIFI / BT Antenna



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