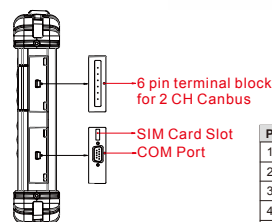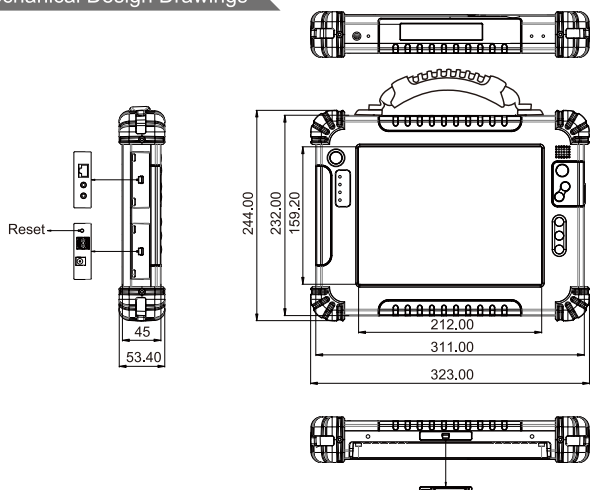# CANBUS Rugged Tablet PC
ID83

Model : R10ID8M-RTT2CA

Intel® Atom Dual Core N2800 1.86GHz

Features:

- 10.4" High Quality 1024 x 768 Resolution LED Panel
- Intel® Atom Dual Core N2800 1.86Ghz with Intel® NM10 Chipset
- 1 x SODIMM, Max. 4GB DDR3 (Default 2GB)
- Alu-Mg Alloy Housing with Protection Rubber for MIL-810G Shock, Vibration and Drop
- Built-in Wireless 802.11 a/b/g/n and Bluetooth 4.0+Class I Combo card
- Support 2 channels isolated CANBUS and 1 COM port for RS 232, 1 x SIM card slot
- Ergonomic Design with Handstrip and Carry Belt Accessories (for Optional)
- 6cell, 5200mAh Lithium-Ion Battery Pack

Mechanical Design Drawings

Reset

244.00
232.00
159.20
212.00
311.00
323.00
45
53.40

6 pin terminal block for 2 CH Canbus

SIM Card Slot
COM Port

Pin No.	Symbol	Description
1	GND_ISO_A	A port Isolated Ground
2	CANL_1_CONN	A port CAN Bus Low-level
3	CANH_1_CONN	A port CAN Bus High-level
4	GND_ISO_B	B port Isolated Ground
5	CANL_2_CONN	B port CAN Bus Low-level
6	CANH_2_CONN	B port CAN Bus High-level

System Specification

- Processor   : Intel® Atom Dual Core N2800 1.86GHz
- BIOS   : AMI System BIOS
- System Chipset   : Intel® NM10 Chipset
- System Memory   : 1 x SODIMM, Max 4GB DDR3 (Default 2GB)
- LAN Controller   : 10/100/1000 Mbps LAN
- Storage   : 32GB mSATA SSD (Max.up to 256GB)
- Audio   : Audio out for headset, Micro in for microphone jack, 1.5W Speaker(Internal)

Wireless Communication

- WLAN&Bluetooth   : 802.11a/b/g/n + 2T2R & Bluetooth 4.0 + Class I combo card (Default)
- WWAN   : Built-in 3G module
- GPS   : U-Blox Neo-6Q

Mechanical and Environment

- Dimensions (W x L x H) : 311 x 232 x 45 mm
- Weight   : 2.5Kg(w/o accessories)
- Operation Temperature : -20~60 (AC mode), -10~50 (Battery mode)
- Operation Humidity   : 10% to 90% (non condensing)
- IP Proof   : IP55(Optional IP65)
- Mounting   : VESA mount, Vehicle mount
- Shock*   : MIL-STD-810G M516.6
- Vibration*   : MIL-STD-810G M514.6
- Drop*   : MIL-STD-810G M516.6, 4 ft, Free to concrete
- Certifications   : CE, FCC ClassB,UL

Display Specification

- Pixel Number   : 1024 x 768
- Brightness   : 700cd/m²
- Touch (Default)   : 4 Wire Resistive

I/O Connectors

- Left I/O Port   : 1 x LAN
                       2 x USB 2.0
                       1 x Audio out, Mic-in Jack
                       1 x Power Input Jack
                       1 x Reset Button
- Right I/O Port   : 1 x 6 pin Terminal Block for 2 CH CANbus, 1 x COM port , 1 x SIM card slot
- Downside Docking   : 1 x Docking connector for expansion 4x USB, and Docking Stand Power input

In front Control

- Control Button   : 1x Menu Key control Brightness Volume and Battery Status
- LED indicator   : Power On/ Off , Battery , HDD Access , Wifi On / Off

Power Management

- Power input   : 19V DC
- Power consumption : 12.5W typ.
- Battery   : Li-Ion battery 5200mAh, 11.1V
- Battery Hours   : 7 hrs **
- Adapter   : 100-240V, 50-60Hz, 19V DC

*Note: this is a simplified drawing and some components are not marked in detail.
Please contact our sales representative if you need further product information.
**Note: Measured at dimming LCD brightness. Varies depending on the usage conditions, or when an external device is attached.

Note: All Specifications are subject to change without prior notice!

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Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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