CANBUS Rugged Tablet PC
ID83
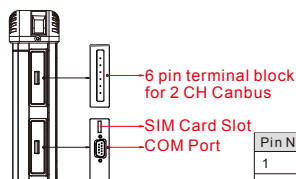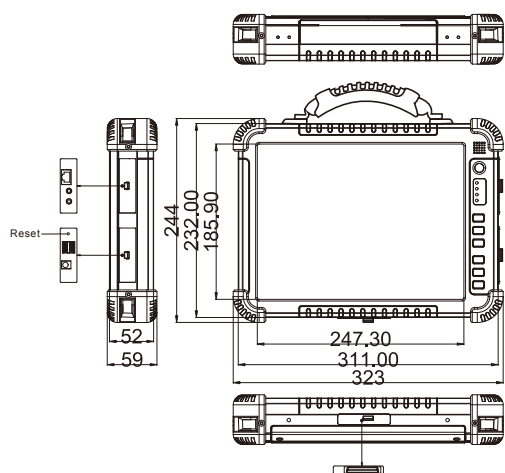
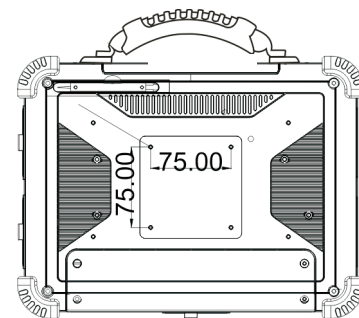**Model : R12ID8M-RTM7CA** — Intel® Atom Dual Core N2800 1.86GHz

Features:

- 12.1" 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-STD-810G Shock, Vibration and Drop
- Built-in Wireless / Bluetooth and GPS module
- 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

6 pin terminal block for 2 CH Canbus
SIM Card Slot
COM Port
Reset

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

✱ 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.

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 LAN
Storage	: 32GB mSATA SSD (Default),(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 (Optional)
GPS	: U-Blox Neo-6Q

Mechanical and Environment

Dimensions (W x L x H)	: 311 x 232 x 52 mm
Weight	: 3Kg(w/o accessories)
Operation Temperature	: -20~60 (AC mode), -10~50 (Battery mode)
Operation Humidity	: 10% to 90% (non condensing)
IP Proof	: IP54
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
Certitications	: CE, FCC ClassB, MIL-810G for Vibration / Shock / Drop / Temp.

Display Specification

Pixel Number	: 1024 x 768
Brightness	: 700cd/m^2 (typ.)
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 Hour	: 7 hrs*
Adapter	: 100-240V, 50-60Hz, 19V DC

*Note: Measured at dimming LCD brightness. Varies depending on the usage conditions, or when an external device is attached.