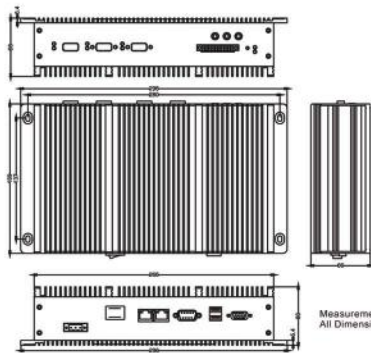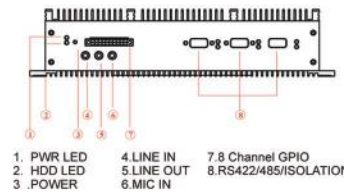# MCE-212
MARINE CERTIFIED EMBEDDED COMPUTER

- Designed for Marine automation and applications
- Onboard Dual Core Atom D2550 1.86GHz
- 1 x DDR3 SODIMM, max. 4GB
- 3 x RS422 / 485 communication with isolation protection

- Support 8 x GPIO with Phoenix type Terminal Block
- 2x Giga LAN, 2x USB, 1x VGA, Line in, Line out, Micro In
- Fanless, High efficiency thermal design w/ sealed construction
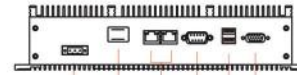- 1500V DC power isolation resistance

1. PWR LED   4.LINE IN   7.8 Channel GPIO
2. HDD LED   5.LINE OUT   8.RS422/485/ISOLATION
3. .POWER   6.MIC IN

1. PWR INPUT   4.RS232
2. PWR SWITCH   5.USB
3. LAN   6.VGA   UNIT:mm

Measurements shown in mm
All Dimensions are ?

* 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 D2550 1.86GHz
BIOS	: AMI 16Mbit Flash
System Chipset	: Intel® NM10 Chipset
System Memory	: DDR3 SODIMM Max 4GB
Ethernet Controller	: Dual Broadcom BCM57780
USB	: 2 x USB 2.0 (external)
	4 x USB 2.0 by pin-header (internal)
Storage	: 1 x mSATA SSD 32G (default)
	1 x 2.5" SATA SSD

Mechanical and Power

Dimensions (L x W x H)	: 296mm x 169mm x 66mm
Construction	: Aluminum housing
Power Input	: +24V DC In with 1.5KV DC Isolation Resistance(+9~36V DC Input Acceptable)
Power source range	: Typical 60 W power consumption
Mounting	: VESA / Wall-mount / Desktop

I/O Connectors

Front Side I/O	: 1 x Reset Button
	: 1 x Micro in , Line out , Line in Jack
	: 8 Channel GPIO by Phoenix type Terminal Block 5V/12mA
	: 3 x Isolated RS422/485 auto-detect with
Back Side I/O	: LED Indicator
	: 1 x 3 pin Power Input w/ Phoenix type
	: Terminal Block
	: 1 x Power Switch On / Off
	: 2 x RJ-45 (Giga LAN)
	: 1 x VGA
	: 1 x RS232
	: 2 x USB

Environment Considerations

Operating Temperature	: -15 to 55 deg.C
Operating Humidity	: 5% to 95% (non condensing)
Anti-Vibration	: 5Hz~500Hz / 1Grms/3 Axis
Anti Shock	: 15G, 11ms duration

Ordering Information (optional)

Storage	: 2.5" 64GB , 128GB SSD
	32 to 256 GB mSATA SSD

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

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