

# MBOX-6000

## Intel D2550 Dual Core 1.86GHz Marine Box Computer



Cedar view

Dual Core

DDR3 1066

VGA / DVI-I

5.1 Audio

Dual GbE Lan

### System

<b>CPU</b>	Intel Cedarview Atom™ D2550 Dual Core 1.86 GHz
<b>Memory</b>	1 x DDR3-1066 SO-DIMM up to 4GB
<b>Chipset</b>	Intel NM10
<b>Graphics</b>	Intel GMA3650
<b>ATA</b>	2 x Serial ATA 2.0 Ports
<b>LAN Chipset</b>	2 x Intel i210-AT Gigabit Ethernet
<b>Watchdog</b>	1 ~ 255 Level Reset

### I/O

<b>Serial Port</b>	1 x RS232/422/485 and 1 x RS-232/RS-485 ( optional up to 5 Serial port)
<b>USB Port</b>	4 x USB 2.0 Ports
<b>LAN</b>	2 x RJ45 Ports for GbE, support WOL, PXE and Teaming
<b>Option</b>	connectors can be changed to 2 x M12 on rear side
<b>Video Port</b>	1 x DVI-I* Female Connector, 1 x VGA Connector Output and 1 x Display Port optional
<b>Audio Port</b>	1 x Mic-In and 1 x Line-Out
<b>Expansion Bus</b>	2 x Mini-PCIe Card Slots & 1 x Mini-PCIe with SIM for 3G Module

\* Use only with Single Link DVI Cables.

### Storage

1 x CFAST socket, external removable  
OPTION: 1 x 2.5" Drive Bay for SATA Type Hard Disk Drive  
/ SSD, external removable

### Qualification

<b>Certifications</b>	CE, FCC Class A, IEC60945 4th Edition IACS E10, DNV 2.4
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### Features

- Intel Cedarview Atom D2550 Dual Core 1.86GHz
- Dual Intel GbE LAN port - RJ45 & 4xUSB ports
- 1 x VGA and 1 x DVI-I display output
- 1 x RS232/485 and 1xRS232/422/485
- 4 x digital isolated inputs (4-20mA)
- 4 x Digital isolated open-collector outputs
- IEC60945 Maritime Certified

### Power Requirement

<b>DC Input Range</b>	+9V to 32VDC input with "maritime / industrial" surge protection (reverse polarity)
<b>Nominal DC Input</b>	+24VDC input
<b>Pin definition</b>	Positive, Chassis Ground, and Negative

### Digital Input/Output

<b>Input Channels</b>	4ch
<b>Input Voltage</b>	Logic 0 : 0.8V max Logic 1: 12V min. and 24V max
<b>Output Channels</b>	4ch
<b>Output Voltage</b>	Output Capability Sink Current : 200mA
<b>(OD):24VDC</b>	Logic 0 :0V

### Environmental

<b>Operating Temp.</b>	-25 ~ 70°C, ambient w/ air
<b>Storage Temp.</b>	-30 ~ 80°C
<b>Relative Humidity</b>	10 ~ 95% @ 40°C (non-condensing)

### Mechanical

<b>Construction</b>	Aluminum Alloy
<b>Mounting</b>	Wall-mount, VESA-mount, Din Rail Mounting Kit
<b>Weight</b>	1200 g (Barebone), TBD
<b>Dimensions</b>	200 (W) x 160 (D) x 55 (H) mm

### Ordering Information

<b>Part Number</b>	766000001000
<b>Description</b>	Intel D2550 Dual Core 1.86GHz Marine Box Computer