

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

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

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

Storage

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

Qualification

Certifications	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 and 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

DC Input Range	+9V to 32VDC input with "maritime / industrial" surge protection (reverse polarity)
Option	+9V to 36VDC input with 1,5KV galvanic isolation protection
Nominal DC Input	+24VDC input
Pin definition	Positive, Chassis Ground, and Negative

Digital Input/Output

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

Environmental

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

Mechanical

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

Ordering Information

Part Number	MBOX-6000-000
Description	Intel D2550 Dual Core 1.86GHz Marine Box Computer