

New Avalon C3 High Speed Processor, Starting at \$1,479!  
Shock & Corrosion Protected, Compact Size, Ocean Ready!

## Avalon C3



### Avalon C3 Series Mini Computer

- **Powerful Core 2 & Core i5 Intel CPU**
- **Integrated Wifi Communications**
- **Compact Size for Installation Ease**
- **Aluminum Case & Shock Mount**
- **Corrosion Resistant Internal Electronics**
- **110 or 12/24 Volt Options**
- **Auto Power-on for Remote Mounting**

Argonaut's new Avalon C3 processor is the ideal choice for high performance marine installations. The compact size, corrosion resistant electronics and auto power on features are well suited for on board computing needs.

Even though the Avalon fits in tight spots, it now offers the most powerful Intel processors including Core 2 and Core i5!

When the going gets rough, the C3 thrives with twin isolation shock mount and available solid state memory for extreme environments.

Built in Wifi networking and broadband internet capability keep you connected where ordinary marine appliances fail.

In a sea of marine electronic offerings, Avalon C3 is the clear choice to harness current applications and future marine technologies also!

# Specifications

## Rugged Features

### AVALON C3

### AVALON C3i

Mount	Twin-Isolation Powder Coated aluminum shock mount	Twin-Isolation Powder Coated aluminum shock mount
Electronics	Corrosion Resistant Internal Electronics	Corrosion Resistant Internal Electronics
Environment	<b>MTBF:</b> 40,000 hrs <b>Operating Temperature:</b> 0 ~ 50°C (32 ~ 122°F) <b>Storage Temperature:</b> -30 ~ 60°C (-22 ~ 140°F) <b>Relative Humidity:</b> 90% RH (45°C non-Condensing) <b>Operating Vibration:</b> 0.5Grms, Random, 10~500Hz, X,Y,Z 3Axes, 0.5hr/Axis <b>Non-Operating Vibration:</b> 2Grms, random, 10~300Hz, X,Y,Z 3Axes, 1hr/Axis <b>Operating Shock:</b> 8G, Half sine, 11ms duration <b>Non-Operating Shock:</b> 50G, Half sine, 11ms duration	<b>MTBF:</b> 40,000 hrs <b>Operating Temperature:</b> 0 ~ 50°C (32 ~ 122°F) <b>Storage Temperature:</b> -30 ~ 60°C (-22 ~ 140°F) <b>Relative Humidity:</b> 90% RH (45°C non-Condensing) <b>Operating Vibration:</b> 0.5Grms, Random, 10~500Hz, X,Y,Z 3Axes, 0.5hr/Axis <b>Non-Operating Vibration:</b> 2Grms, random, 10~300Hz, X,Y,Z 3Axes, 1hr/Axis <b>Operating Shock:</b> 8G, Half sine, 11ms duration <b>Non-Operating Shock:</b> 50G, Half sine, 11ms duration

## System

Processor	Support Intel Core 2 Duo mobile processors TDP-35W	Support Intel Core i3, i5, i7 mobile processor TDP-35W
Chipset	Intel GM45+ICH9M Chipset	Intel QM57 Chipset
Memory	DDRII SO-DIMM x 2 <b>4GB max</b>	DDR3 x 2 <b>Max memory:</b> 8G (based on 64bit OS support)
Storage	Slot-in Slim ODD Bay x 1 2.5" SATA II HDD Bay x 1	Slot-in Slim ODD Bay x 1 2.5" SATA II HDD Bay x 1
Size WxHxD (Inch) / (mm)	6.54(W) x 1.89(H) x 6.18(D)inch / 166(W) x 48(H) x 157(D)mm	6.54(W) x 1.89(H) x 6.18(D)inch / 166(W) x 48(H) x 157(D) mm
Weight (Kg / Pound)	1.22kg / 2.68 pound (N.W.)	1.22kg / 2.68 pound (N.W.)

## I/O Ports

DVI-Port	N/A	x 1 Intel QM57 chipset
VGA Port	x 2 Intel GMA X4500MHD	x 1 (via Y cable)
HDMI Port	x 1	x 1
Audio	Realtek 5.1 CH with HDMI Audio Line-Out, Audio Mic-In x 1	Realtek 5.1 CH HDMI Audio Line-In, Audio Line-Out, Audio Mic-In x 1
LAN (RJ-45)	Intel Gigabit Ethernet 10/100/1000	Intel Gigabit Ethernet W82567LM, 10/100/1000
USB 2.0	USB 2.0 Port x 4 (2 Rear, 2 Front)	USB 2.0 Port x 4 (2 Rear, 2 Front)
Legacy Serial (COM) Port RS232	x 1	x 1

## General

Power Supply	90W (20V, 4.5A) AC Adapter	90W (20V, 4.5A) AC Adapter
Input Voltage	AC 100 ~ 240V (DC-DC Converter Optional)	AC 100 ~ 240V (DC-DC Converter Optional)
802.11b	Standard	Standard
Keyboard	Mini-keyboard	Mini-keyboard
Pointing Device	3-D PS/2 mouse	3-D PS/2 mouse
Supported OS	Windows XP PRO, Windows 7 PRO	Windows XP PRO, Windows 7 PRO
Certifications	CE, FCC, UL, CB	CE, FCC, UL, CB
Options	11-16 V, 11-32V DC-DC Converters, Solid State Memory	11-16 V, 11-32V DC-DC Converters, Solid State Memory

Specifications and pictures are subject to change without notice.  
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