

## Marine Computers

### What is so special about Elite PCs

- 'GREEN' High Performance - Compact SFF
- 4 Serial Ports - RS232/422/485 Setup via Software
- Isolation - Anti-vibration / Shock Mounts
- RAID - Integrated RAID1 Controller 'Mirrors' Data
- IMO Certification - ABS, BV, CCS, DNV, GL, LR & RINA

Captains and System Integrators will find AAdaptiv's Elite PCs the solution to their professional integration needs. Maritime certification for recreational and commercial vessels has been achieved utilizing the latest technology in a PC platform without sacrificing performance or operational functionality and makes the most of your investment.

AAdaptiv's design is based on a energy efficient solution that helps lower electrical consumption and operating cost by utilizing improved power saving technology such as 85% efficient power supplies and power management software. To aid installation and commissioning the Elite Computer has 4 Serial Ports which are software configurable for RS232/422/485.



Low Frequency Anti-vibration Shock Mount System is standard on the Elite IMO Computer and optional on the Elite Computer.

For demanding applications AAdaptiv's Elite Computer has RAID1 Controller incorporated and Dual Video Outputs to support multiple applications typically found in most Bridge environments.

AAdaptiv's Elite IMO Computers are Type-Approved meet IACS Unified Requirement E10 and the relevant sections of IEC 60945 when installed in conjunction with the Low Frequency Anti-vibration / Shock Mounting Kit.

A Elite PC by AAdaptiv Technologies. It's a command decision for the digital world.

# Marine Computers

Specifications	Elite Computer	Elite IMO Computer
<b>Order Model Part #</b>	A3-7900-STD-AC	A3-7900-IMO-AC
<b>PC Form Factor</b>	SSF ( Small Form Factor )	SSF ( Small Form Factor )
<b>Operating System</b>	Genuine Windows Vista® Business with downgrade to Windows XP Professional custom installed.	Genuine Windows Vista® Business with downgrade to Windows XP Professional custom installed.
<b>Processor</b>	Intel® Core™2 Duo E8600 Processor, 3.33Ghz, 6 MB L2 Cache, 1333 MHz FSB - Featuring vPro Technology.	Intel® Core™2 Duo E8600 Processor, 3.33Ghz, 6 MB L2 Cache, 1333 MHz FSB - Featuring vPro Technology.
<b>Chipset</b>	Intel® Q45 Express	Intel® Q45 Express
<b>Memory</b>	3 GB DDR2 Synch DRAM PC2 6400 ( 800 MHz ) Non-ECC	3 GB DDR2 Synch DRAM PC2 6400 ( 800 MHz ) Non-ECC
<b>RAID</b>	RAID 1 Configuration: Mirrored Pair ...creates an exact copy ( or mirror ) of a set of data on two Hard Disk Drives.	RAID 1 Controller onboard: But not Type Approved.
<b>Hard Drive(s)</b>	Two 250 GB SATA 3.0GB/s with NCQ & Smart IV installed	One 250 GB SATA 3.0GB/s with NCQ & Smart IV installed
<b>Removable Media</b>	HP SATA SuperMulti LightScribe DVD Writer Drive	HP SATA SuperMulti LightScribe DVD Writer Drive
<b>Expansion Slots</b>	Four Low Profile ( 2.5" high, 6.6" long ) Slots; One PCI, Two PCI Express x16 & One PCI Express x1  Slot Allocation Notes:- 1) Only One PC1e x16 or One PCI Slot available. Remaing Expansion Slots allocated for; Graphics Card , Serial Interface Card & Parallel Printer Port. 2) Remove Parallel Printer Port to create 2nd Expansion Slot.	Four Low Profile ( 2.5" high, 6.6" long ) Slots; One PCI, Two PCI Express x16 & One PCI Express x1  Slot Allocation Notes:- 1) One PC1e x16 Slot allocated for Dual Output Graphics Card 2) Parallel Printer Port occupiees one other Expansion Slot.
<b>Graphics (Dual Head)</b>	Dedicated NVIDIA Quadro NVS 290 256MB DH PCIe Card	Dedicated NVIDIA Quadro NVS 290 256MB PCIe Card
<b>Resolution Support</b>	Dual integrated analog display controllers supporting up to two analog monitors at 2048 x 1536 @ 85Hz or two digital monitors at 1920 x 1200 @ 60Hz.	Dual integrated analog display controllers supporting up to two analog monitors at 2048 x 1536 @ 85Hz or two digital monitors at 1920 x 1200 @ 60Hz.
<b>Multi-Monitor Support</b>	Dual Monitor support: configure either Dual DVI or VGA video outputs. DMS-59 to Dual DVI & DMS-59 to VGA cables supplied	Dual Monitor support: configure either Dual DVI or VGA video outputs. DMS-59 to Dual DVI & DMS-59 to VGA cables supplied
<b>Audio</b>	Integrated HD audio with ADI1884 codec, internal PC speaker	Integrated HD audio with ADI1884 codec, internal PC speaker
<b>Communications</b>	Integrated Intel® 82567LM Gigabit Network Connection	Integrated Intel® 82567LM Gigabit Network Connection
<b>Serial Inputs</b>	Four RS232/422/485 (Software Configurable) + One RS232	One RS232
<b>I/O Ports and Connectors <sup>1</sup></b>	Front: 2 USB 2.0 & Audio Ports. Rear: 6 USB 2.0, 5 Serial Ports, 2 PS/2, 1 RJ45, 2 VGA or DVI via 'Y' Cable, Audio In/Out, 1 Parallel Port.	Front: 2 USB 2.0 & Audio Ports. Rear: 6 USB 2.0, 1 Serial Port, 2 PS/2, 1 RJ45, 2 VGA/DVI, Audio In/Out, 1 Parallel Port.
<b>Power <sup>2</sup></b>	90 to 264V AC 50/60Hz - Typ. 115V AC (55W) and 230V AC (56W)	90 to 264V AC 50/60Hz - Typ. 115V AC (55W) and 230V AC (56W)
<b>Dimensions - Weight</b>	337 W x 100 H x 378 D mm / 13.26 W x 3.94 H x 14.88 D in - 9 kg	348 W x 154 H x 390 D mm / 13.7 W x 6.06 H x 15.35 D in - 11kg
<b>Operating Guidelines</b>	Temp: +10°C to + 35°C , Humidity: 10% to 90% (N.C.)	Temp: +10°C to + 35°C , Humidity: 10% to 90% (N.C.)
<b>Shock / Vibration Kit</b>	Optional - Low Frequency Anti- vibration Shock Mounting Kit	Mandatory: Low Frequency Anti-vibration Shock Mounting Kit
<b>IMO Certification</b>	None	ABS, BV, CCS, DNV, GL, KR, LR, NKK, PRS, RINA, IEC: 60945
<b>Limited Warranty <sup>3</sup></b>	3 Year HP Next Business Day International Warranty	3 Year HP Next Business Day International Warranty

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**Notes:**

- 1) The Onboard VGA & Display Ports are inoperative due to the additional NVIDIA Quadro DH Graphics Card being installed.
- 2) Power Consumption calculation refers to the basic PC configuration - The installed NVIDIA Quadro DH Graphics Card consumes additional power.
- 3) HP Standard 3 year warranty parts & labour on-site repair. Response time is next business-day. Terms and conditions vary by country. Certain restrictions apply.

\*Specification subject to change without notice. Revision 1 - Aug 2009

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A Command Decision