

Marine Computers

What is so special about Elite PCs...

- 'GREEN' Performance - 30% More Efficient
- Full-size Enterprise PC - In Space-saving Design
- 4 Serial Ports - R232/422/485 Setup via Software
- Isolation - Anti-vibration / Shock Mounts
- RAID 1 (Mirror) - 2 Hard Drives Integrated
- IMO Certification - ABS, BV, 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 RAID 1 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.

Elite Marine Computers

General Specifications

Specifications	Elite Computer	Elite IMO Computer
Order Code / Part #	A3-8000-STD-AC	A3-8000-IMO-AC
PC Form Factor	SFF (Small Form Factor) based HP Compaq 8000 series	SFF (Small Form Factor) based HP Compaq 8000 series
Operating System	Windows XP Professional (available through downgrade rights from Genuine Windows® 7 Professional)	Windows XP Professional (available through downgrade rights from Genuine Windows® 7 Professional)
Processor	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.
Chipset	Intel® Q45 Express	Intel® Q45 Express
Memory	4 GB PC3-10600 (DDR3-1333 MHz) DIMM	4 GB PC3-10600 (DDR3-1333 MHz) DIMM
RAID Configuration	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.
Hard Drive(s)	Two 500 GB SATA (7200 rpm) 3.0GB/s with NCQ & Smart IV installed	One 500 GB SATA (7200 rpm) 3.0GB/s with NCQ & Smart IV installed
Removable Media (5.25" Drive)	HP SATA SuperMulti LightScribe DVD Writer Drive	HP SATA SuperMulti LightScribe DVD Writer Drive
Expansion Slots	Four Low Profile (2.5" high, 6.6" long) Slots; One PCI, One PCI Express x16 & Two PCI Express x1 Expansion Slot Allocation Notes:- 1) Only One PCI Express x1 or One PCI Slot available. Remaining 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 Expansion Slot Allocation Notes:- 1) One PCI Express x16 Slot allocated for Dual Output Graphics Card 2) Parallel Printer Port occupies one other Expansion Slot.
Graphics (Dual Head)	Dedicated NVIDIA Quadro NVS 290 256MB DH PCIe Card	Dedicated NVIDIA Quadro NVS 290 256MB DH PCIe Card
Resolution Support	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.
Multi-Media Support	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
Audio	Integrated HD audio with Realtek ALC261 codec, internal PC speaker	Integrated HD audio with Realtek ALC261 codec, internal PC speaker
Communications	Integrated Intel® 82567LM Gigabit Network Connection	Integrated Intel® 82567LM Gigabit Network Connection
Serial Port Inputs	Four RS232/422/485 (Software Configurable) + One RS232	One RS232
I/O Ports and Connectors¹	Front: 4 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: 4 USB 2.0 & Audio Ports. Rear: 6 USB 2.0, 1 Serial Port, 2 PS/2, 1 RJ45, 2 VGA or DVI via 'Y' Cable, Audio In/Out, 1 Parallel Port.
Power²	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)
Dimensions (mm / Inches)	338 W x 100 H x 378 D mm / 13.3" W x 3.93" H x 14.8" D	348 W x 154 H x 390 D mm / 13.7" W x 6.1" H x 15.4" D
Weight	8.5 kg Approx. (with Anti-vibration / Shock Kit 10.7 kg)	10kg Approx
Operating Temperature	10° to 35°C / 50° to 95°F	10° to 35°C / 50° to 95°F
Humidity	10 to 90% (non-condensing)	10 to 90% (non-condensing)
Anti-vibration / Shock Kit	Optional Extra (Part Number A3-8000-KIT)	Supplied As Standard & Mandatory to maintain IMO Certification
IMO Certification	No	ABS, BV, CCS, DNV, GL, KR, LR, NKK, PRS, RINA
Limited Warranty³	3 Year HP Next Business Day International Warranty	3 Year HP Next Business Day International Warranty

Notes:

- 1) The Onboard VGA & Display Ports are inoperative due to the additional NVIDIA Quadro 290 Dual Head 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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