

Manufacturer: **Jakob Hatteland Display AS**

Product: **Maritime Rack Computer**

Type: **HT 404P4 STD**

Last Revised: **10 Apr 2007**
Revision#: **8**

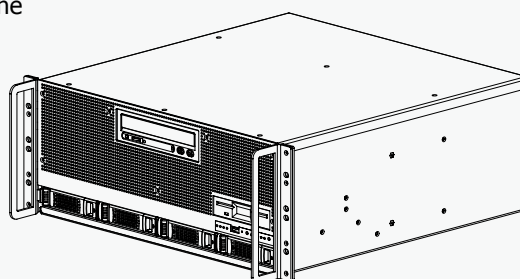
Maritime Rack Computer

Overview:

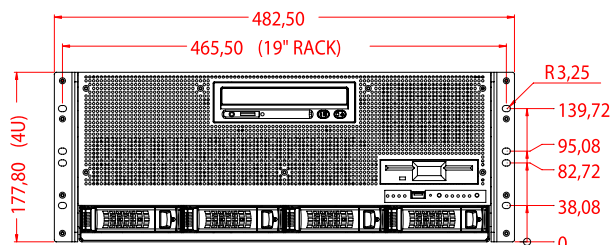
Get first-class performance across a broad range of applications with **HT 404P4 STD** Maritime Rack Computer. Ideal for use in industrial and maritime environments where performance is important. Leading edge technology makes these computers the smart choice for all heavy applications. Max storage capacity is 1TB.

Brief Specifications:

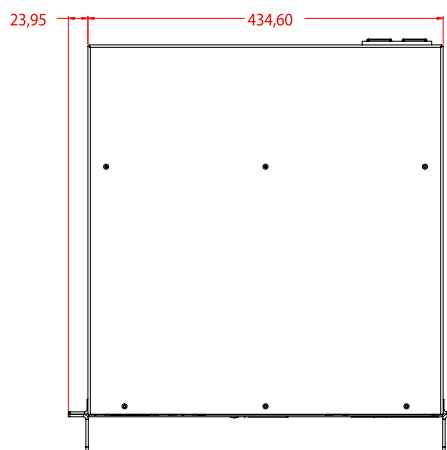
- Intel® Pentium®4 3.4 GHz, 800MHz FSB (Socket 775)
- On-board Intel® GMA900 Graphics, RGB, Up to 2048 x 1536, 32-Bit @ 85Hz
- 1 x 512MB RAM, PC3200 - 400MHz DDR SDRAM
- 1 x 160GB Removeable HD, SATA, 3,5", 7200 RPM, 8 MB Cache
- 1 x DVD ± Dual/CD R/W Recorder
- 1 x 1,44MB Floppy Drive
- 2 x 10/100/1000Mbps Base-T Ethernet
- 3 x RS-232 Serial Ports
- 1 x Parallel port
- 4 x USB rear ports + 1 x USB front port. (2.0 & 1.1 support)
- 2 x PS/2 DIN connector keyboard and mouse.
- Dimensions 19" x 4U x 450mm
- Power supply 115/230VAC - 400W Autorange
- See page 2 for complete specifications and options.



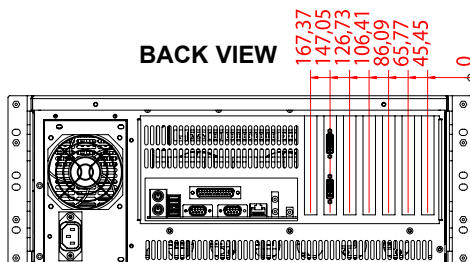
FRONT VIEW



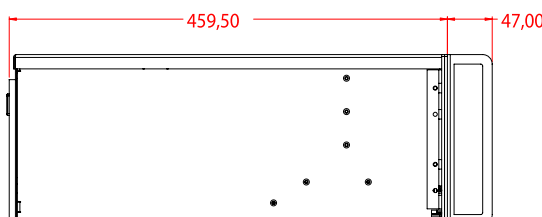
TOP VIEW



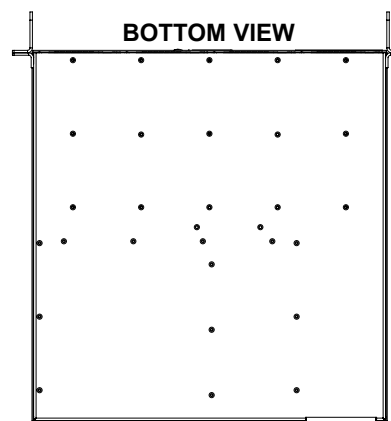
BACK VIEW



SIDE VIEW



BOTTOM VIEW



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TECHNICAL DESCRIPTION

Computer Specifications: (Standard Model)

Connector Type:

• Installed OS	: None, please specify when ordering	
• Processor	: Intel® Pentium®4 3.4GHz / Socket LGA775 / 800MHz FSB / 2MB L2 Cache	
• System Chipset	: Intel® 915G + ICH6	
• Graphics Chipset	: On-board Intel® Graphics Media Accelerator (GMA) 900 - Up to 2048 x 1536, 32-Bit @ 85Hz	1 x DB15F
• BIOS	: Phoenix Award BIOS 2MBit Flash, Supports ACPI	
• PCI Slots	: 4 x PCI2.2 Slots 32-bit, 3V and 5V Interface, Full Length Profile (5 possible if ComBracket is removed)	
	: 1 x (x16) PCI-Express slot	
	: 1 x (x1) PCI-Express slot	
• Memory	: 1 x 512MB in 1 slot, PC3200 - 00 DDR SDRAM, NO ECC - Up to 2GB RAM possible	2 x DDR Slots
• HDD	: 1 x 160GB Removeable HD, SATA, 3,5", 7200 RPM, 8 MB Cache	
• SATA Interface	: Up to 4 x 250GB Removeable 3,5" SATA, 7200 RPM, 8MB Cache HDD possible	
• DVD/CD DRIVE	: Read: 48x (CD) / 16x (DVD)	
	: Write: 48x (CD) / 16x (DVD R) / 6x (DVD-R DL) / 8x (DVD+R DL)	
	: Rewrite: 32x (CD) / 6x (DVD-RW) / 8x (DVD+RW)	
• FDD Interface	: 1 x 1.44 MB (Supports 2.88 MB)	
• Ethernet	: 2 x 10/100/1000Mbps Marvell 88E8053 PCI Express Gigabit LAN	2 x RJ-45
• Parallel Port (LPT)	: 1 x Bi-Directional Centronics with ECP or EPP mode	1 x DB25F
• Serial Ports	: 3 x RS-232 (in rear)	3 x DB9M
• USB Ports	: 5 x USB 2.0 (4 x in rear, 1 x in front)	5 x USB
• Keyboard Port	: Standard PS/2 mini DIN connector	1 x PS/2
• Mouse Port	: Standard PS/2 mini DIN connector	1 x PS/2
• Audio	: AC-97 ALC658, 7.1 Surround Support, HD Quality Audio with LINE IN, LINE OUT, MIC IN	3 x JACKS
• Speaker	: On-board speaker	
• Other Features	: Watchdog Timer, Modem WakeUp, Boot ROM on LAN2, W83627HF for temperature/voltage status	

Power Specifications:

Power Supply Options:

- 115VAC/60Hz or 230VAC/50Hz : Model HT 404P4 STD A1 (400W Autorange)

Power Consumption:

- Operating : TBD(TYP) - TBD (MAX)

Available Options:

Connector Type:

• Dual Head Graphics Card, DVI-I, PCIe 16X, 128MB, Max 2048x1536	2 x 24P DVI-I
• Raid Controller - Modes 0,1,4,5,10 supported - Max 4 ports	4 x SATA
• 8 Channel RS-232 Serial Card + 8 port RS422 connection box with 500v isolation	8xDB25F+DB9M
• 2 Channel Serial Card (422/485)	2 x DB9M
• 2 Channel Network Server Adapter NIC 10/100Mbps Card	2 x RJ-45
• Bracket for additional comport (1 x RS232/422/485) (Will occupy 1 PCI slot space)	1 x DB9M

Note: These options are factory installed.

MECHANICAL DESCRIPTION

Physical Specifications:

- 19" x 4U x 450mm
- Weight: 25 kg (approx)
- 4U Rackmount Chassis
- Black heavy-duty steel chassis with handles

Environmental Considerations:

Safety Considerations:

Even although the test conditions for bridge units provide for a maximum operating temperature of 55°C, continuous operation of all electronic components should, if possible, take place at ambient temperatures of only 25°C. This is a necessary prerequisite for long life and low service costs.

Compass Safe Distance: HT 404P4 STD

Standard: 300cm

Steering: 220cm

APPROVALS & CERTIFICATES

This product have been tested / type approved by the following classification societies:

EN60945 4th (IEC945 4th)
IACS E-10

DNV - Det Norske Veritas
BV - Bureau Veritas

ABS - American Bureau of Shipping
ClassNK - Nippon Kaiji Kyokai