

Manufacturer: **Hatteland Display AS**

Product: **Compact Computer**

Type: **HT C01 STD-Axxx**

Last Revised: **06 May 2010**
Revision#: **13**

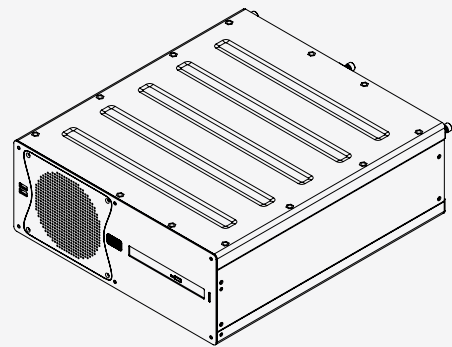
Compact Computer

Overview:

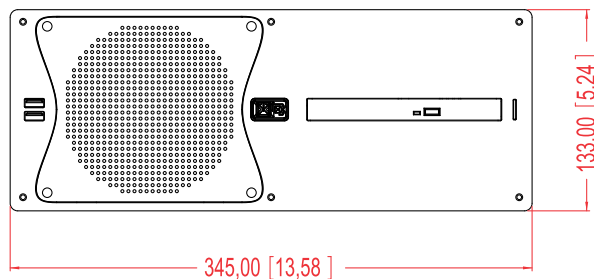
The **HT C01 STD** is a compact industrial computer with extreme performance and most computer functions built into a form factor that can be placed virtually anywhere.

The computer fulfills the demands for extreme Marine applications.

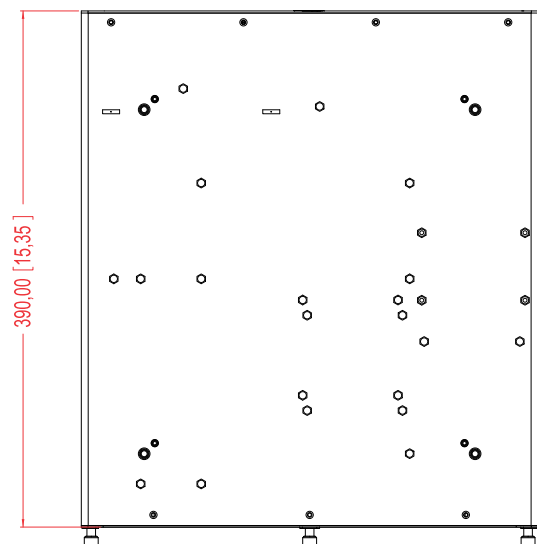
The models are service friendly which makes it easy to replace Hard Disk/SSD media, power supply, memory, media drives, PCI cards, fan and air filter.



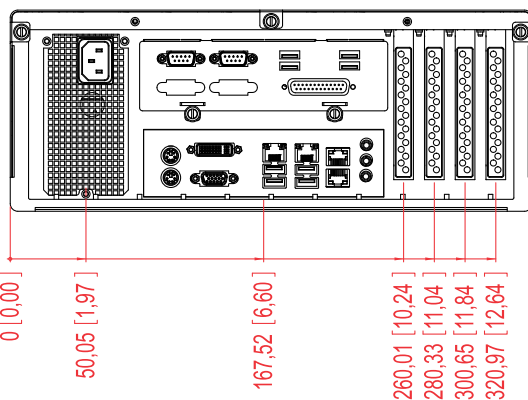
FRONT VIEW



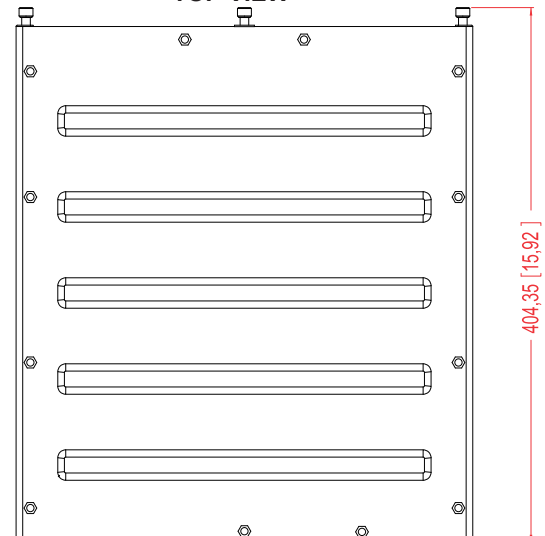
BOTTOM VIEW



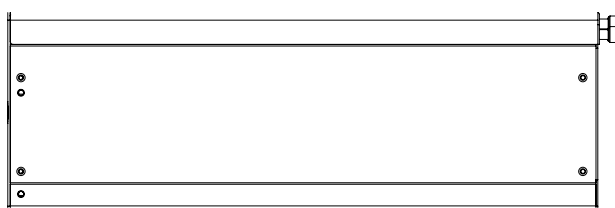
BACK VIEW



TOP VIEW



SIDE VIEW



Dimensions might be shown with or without decimals and indicated as mm [inches]. Tolerance on drawings is +/- 1mm. For accurate measurements, check relevant DWG file.

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Note: All specifications are subject to change without prior notice!

TECHNICAL DESCRIPTION

Computer Specifications: (Standard model)

• Media Drive	: 1 x DVD-RW/CD-RW Dual Recorder/Player
• Processor	: 1 x Intel® Core™2 Duo Desktop Processor E8400 - 3.0GHz, Bus Speed 1333MHz, 6MB L2 Cache
• Memory	: 2 x 1GB installed (Dual Channel DDR2 800/667 SDRAM, 240-pin DIMM)
• Graphics	: Intel® Graphics Media Accelerator 3100 (Intel® GMA 3100) integrated
• Graphics Resolution	: Max 2048 x 1536 @ 75Hz
• System Chipset	: Intel® Q35 / ICH9DO support Intel® Active Management Technology
• IO Chipset	: Winbond W83627DHG-A
• BIOS	: AWARD BIOS
• PCI Slots	: 2 x PCI Rev2.3 Slot 32-bit, 3V and 5V Interface, Full Height & Length
• PCIe Slots	: 1 x PCI Express X16 (add2), Full Height & Length + 1 X PCI Express X 1, Full Height & Length
• Ethernet #1	: 2 x 10/100/1000Mbps, Intel® 82566DM Gigabit LAN support Intel AMT
• Ethernet #2	: 2 x 10/100/1000Mbps, Realtek RTL 8168C(P)8111C PCI-E Gigabit
• Serial Ports	: 2 x RS-232
• Parallel Port (LPT)	: 1 x Bi-Directional Centronics with ECP or EPP mode
• USB Ports	: 10 x USB ports (8 in rear, 2 in front) - Supports 2.0 & 1.1
• Keyboard Port	: Standard PS/2 mini DIN connector
• Mouse Port	: Standard PS/2 mini DIN connector
• Audio	: Realtek® ALC888, 7.1, Mic. in, Line in, Line out, 3.5mm
• Speaker	: No
• Power Manager	: ACPI
• Watchdog Timer	: Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
• H/W Status Monitor	: Temperatures, voltages & cooling fan status. Auto throttling control if CPU overheats

External Connector Type:

1 x DVI-I & 1 x DB15F
2 x RJ-45
2 x RJ-45
2 x DB9M
1 x DB25F
10 x USB Type A
1 x PS/2
1 x PS/2
3 x JACKS

Power Specifications:

Power Supply Options:

• 115&230VAC - 50/60Hz	: Model HT C01 STD-Axxx (330W)
• Power Consumption - Operating	: 70W typical (HTC01 STD A100) - TBD typical (HTC01 STD D100)

External Connector Type:

STD IEC

Available Models:

HT C01 STD-A100 or -D100 with:

1 x Intel® Core™2 Duo Desktop Processor E8400 - 3.0GHz
2 x 1GB installed (Dual Channel DDR2 800/667 SDRAM, 240-pin DIMM)
1 x Easy Replaceable Automotive HDD 250GB or more* 2.5" SATA, 5400RPM, 8MB Buffer
1 x Microsoft® Windows® Embedded Enterprise (XP Professional Eng w/SP2c, 32bit)

HT C01 STD-A101 or -D101 with:

1 x Intel® Core™2 Duo Desktop Processor E8400 - 3.0GHz
2 x 1GB installed (Dual Channel DDR2 800/667 SDRAM, 240-pin DIMM)
1 x Easy Replaceable Automotive HDD 250GB or more* 2.5" SATA, 5400RPM, 8MB Buffer
1 x Bluestorm Serial I/O card (4 x COM Ports - Supports RS-232/422/485)
1 x Microsoft® Windows® Embedded Enterprise (XP Professional Eng w/SP2c, 32bit)

HT C01 STD-A102 or -D102 with:

1 x Intel® Core™2 Duo Desktop Processor E8400 - 3.0GHz
2 x 1GB installed (Dual Channel DDR2 800/667 SDRAM, 240-pin DIMM)
1 x Easy Replaceable Automotive HDD 250GB or more* 2.5" SATA, 5400 RPM, 8MB Buffer
1 x Microsoft® Windows® Embedded Enterprise (XP Professional Eng w/SP2c, 32bit)
1 x Matrox® P690 Dual Head Graphics Card, PCIe, DVI-I, 128MB, Max 2048 x 1536*
* If 1600x1200 resolution is used, DVI signals must be set to CVT-RB (Coordinated Video Timing-Reduced Blanking) mode manually.

HT C01 STD-A104 or -D104 with:

1 x Intel® Core™2 Duo Desktop Processor E8400 - 3.0GHz
2 x 1GB installed (Dual Channel DDR2 800/667 SDRAM, 240-pin DIMM)
1 x 30GB or more* 2.5" SATA Solid State Disk (SSD)
1 x Microsoft® Windows® Embedded Enterprise (XP Professional Eng w/SP2c, 32bit)

* Size indicated is the lowest size available/approved for current revision of data sheet. The unit will support increased disk space in future. Please contact sales for up-to-date status.

Available Accessories:

• HT 00223 OPT-A1 = 19" Rack Kit 4U (can be combined with HT 00224/00225)	• HT 00224 OPT-A1 = Rail Kit: 20" ball bearing Sliding Rail
• HT 00225 OPT-A1 = Rail Kit: 26" ball bearing Sliding Rail	• HT 00226 OPT-A1 = Mounting Bracket, 4mm SECC+Zinc Plating, RAL9011*
• HT 00215 OPT-A1 = Extra recovery image (USB memory stick)	• HT 00229 OPT-A1 = PCI Bracket Kit HTC01
• MOXA Serial I/O Card (4 or 8 x COM ports - Supports RS-232/422/485)	*included with standard delivery

Capabilities / Prepared for:

- 8GB (Dual Channel DDR2 800/667 SDRAM, 240-pin DIMM) memory

MECHANICAL DESCRIPTION

Physical Specifications:

- 345 (W) x 133 (H) x 390 (D) mm
- 13.58" (W) x 5.24" (H) x 15.35" (D)
- Weight: 10 kg (approx)
- Power button, power led, reset button and HDD Led in front.
- Replaceable Air Filter in front
- Includes Mounting Brackets (for console mounting)

Compass Safe Distance HT C01 STD-Axxx=Standard: 155cm/Steering: 95cm
MTBF (Mean Time Between Failures) = 22581 hours

Environmental Considerations:

- Operating : Temperature -15 deg. C to +55 deg. C
Humidity up to 95%
- Storage : Temperature -20 deg. C to +60 deg. C
Humidity up to 95%

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.

APPROVALS & CERTIFICATES

These products have been tested / type approved by the following classification societies:

IEC 60945 4th (EN 60945:2002)

IACS E10

DNV - Det Norske Veritas

GL - Germanischer Lloyd

LRS - Lloyd's Register of Shipping (pending)

EN61162 (pending)

BV - Bureau Veritas

ClassNK - Nippon Kaiji Kyokai

ABS - American Bureau of Shipping