DATA SHEET

HATTELAND® DISPLAY

Manufacturer:	Hatteland Display AS
Product:	Maritime Stand-alone Computer
Type:	HT B17 STD-Axxx

Last Revised: **19 Nov 2009**
Revision#: **02**
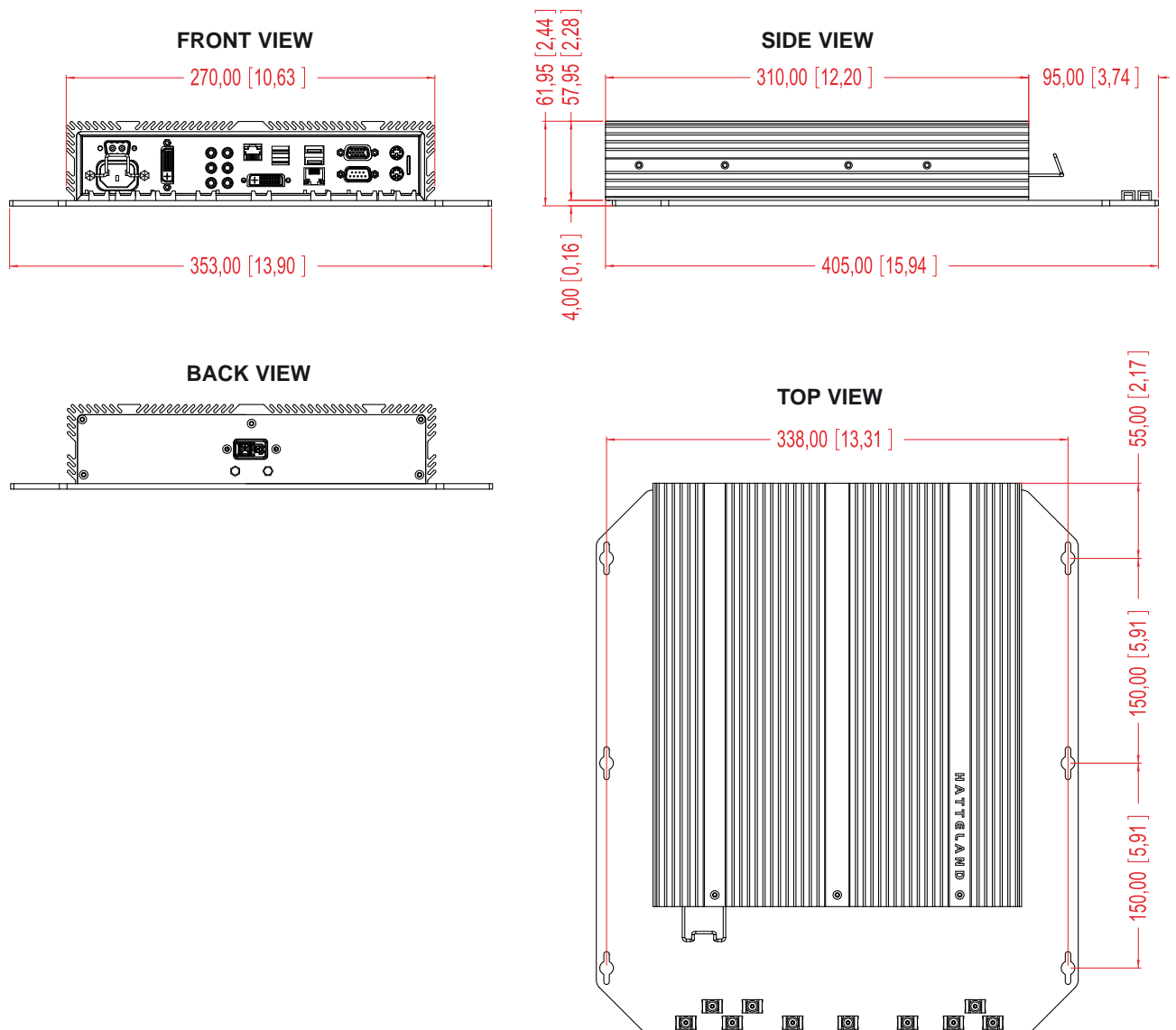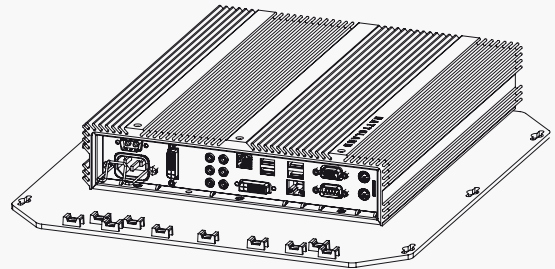
Maritime Stand-alone Computer

Overview:

All **HT B17** models features Heat Pipe Cooling Technology, Interchangeable CPU, HDD-Free Solution with Solid State Disk (SSD) which ensures fast data transfers to minimize boot time.

In addition it features aluminium chassis w/no apertures and comes standard with MultiPower (AC and DC power input built in) ensuring that they are compatible with all power systems on all vessels. It will automatically switch to whatever power is connected, making it highly flexible for shipbuilders and system integrators alike.

The HT B17 is fanless with no moving parts inside which will prolong lifetime and reduce service costs.

Note: Mounting bracket accessory (bottom plate w/cable reliefs) available separately.

FRONT VIEW

270,00 [10,63]

353,00 [13,90]

SIDE VIEW

61,95 [2,44]
57,95 [2,28]

310,00 [12,20]   95,00 [3,74]

4,00 [0,16]

405,00 [15,94]

BACK VIEW

TOP VIEW

338,00 [13,31]

55,00 [2,17]

150,00 [5,91]

150,00 [5,91]

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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.

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

T E C H N I C A L   D E S C R I P T I O N

Computer Specifications: (Standard model)

		External Connector Type:
• Processor	: 1 x Intel® Core™2 Duo Desktop Processor P8400 - 2.26GHz, Bus Speed 1066MHz, 3MB L2 Cache	
• Memory	: 2 x 1 GB installed (Dual Channel 200-pin DDR2 800MHz SO-DIMM)	
• Graphics	: Intel® Graphics Media Accelerator GMA 4500MHD Integrated/Daughter Board (CH7307C)	2 x DVI-D or 1 x DB15F + 1 x DVI-D
• Graphics Resolution	: Max 1600 x 1200 @ 60Hz	
• System Chipset	: Intel® GM45 / ICH9 support Intel® Active Management Technology	
• IO Chipset	: Winbond W83627DHG	
• BIOS	: AWARD BIOS	
• PCI Slots	: None	
• Ethernet #1	: 1 x 10/100/1000Mbps, ICH9M Intel® 82567L	1 x RJ-45
• Ethernet #2	: 1 x 10/100/1000Mbps, Intel® 82574L PCI-E Gigabit LAN Controller	1 x RJ-45
• Serial Ports	: 1 x RS-232 (COM1)	1 x DB9M
• USB Ports	: 4 x USB ports - Supports 2.0 & 1.1	4 x USB Type A
• 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	: ICH9M + AC97 Codec ALC888, 7.1, RCA Jack (Front Out,Line In,Mic,Center/LFE,Surround,Surround back	6 x JACKS
• 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	

Power Specifications:

Power Supply Options:
• 115&230VAC - 50/60Hz + 24VDC   : Model HT B17 STD-Axxx (60W) (STD IEC + 1 x 2p D-SUB (male) - Amphenol FCC17)
• Power Consumption - Operating   : 30W

Available Models:

HT B17 STD-A100 with (Standard Chassis 2.26GHz 2GB RAM 30GB SDD):	HT B17 STD-A101 with (Standard Chassis 2.26GHz 2GB RAM 30GB SDD):
1 x Intel® Core™2 Duo Desktop Processor P8400 - 2.26GHz	1 x Intel® Core™2 Duo Desktop Processor P8400 - 2.26GHz
2 x 1 GB installed (Dual Channel DDR2 800/667Mhz SO-DIMM 200-pin)	2 x 1 GB installed (Dual Channel DDR2 800/667Mhz SO-DIMM 200-pin)
1 x SSD 30GB or more* 2.5" SATA	1 x SSD 30GB or more* 2.5" SATA
	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 00228 OPT-A1 = Mounting Bracket with cable relief, RAL 9011
• HT 00215 OPT-A1 = Extra recovery image (USB memory stick)

M E C H A N I C A L   D E S C R I P T I O N

Physical Specifications:

Without mounting bracket:
• 270.00 (W) x 57.95 (H) x 310.00 (D) mm
• 10.63" (W) x 2.28" (H) x 12.20" (D)

With mounting bracket:
• 353.00 (W) x 61.95 (H) x 405.00 (D) mm
• 13.90" (W) x 2.44" (H) x 15.94" (D)

• Weight: Approx 5 kg
• Aluminium Cooling Chassis
• Power button, power led, reset button and HDD Led

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.

Compass Safe Distance HT B17 STD-Axxx=Standard: TBD Steering: TBD - MTBF (Mean Time Between Failures) = TBD hours

A P P R O V A L S   &   C E R T I F I C A T E S

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

EN60945 4th (IEC945 4th) (pending) **IACS E10** (pending)   **EN61162** (pending)   **ClassNK** - Nippon Kaiji Kyokai (pending)
DNV - Det Norske Veritas (pending)   **GL** - Germanischer Lloyd (pending)   **BV -** Bureau Veritas (pending) **ABS** - American Bureau of Shipping (pending)