

Manufacturer: **Hatteland Display AS**

Product: **Military Stand-alone Computer**

Type: **HT B04PM MIL**

Last Revised: **02 Dec 2009**
Revision#: **12**

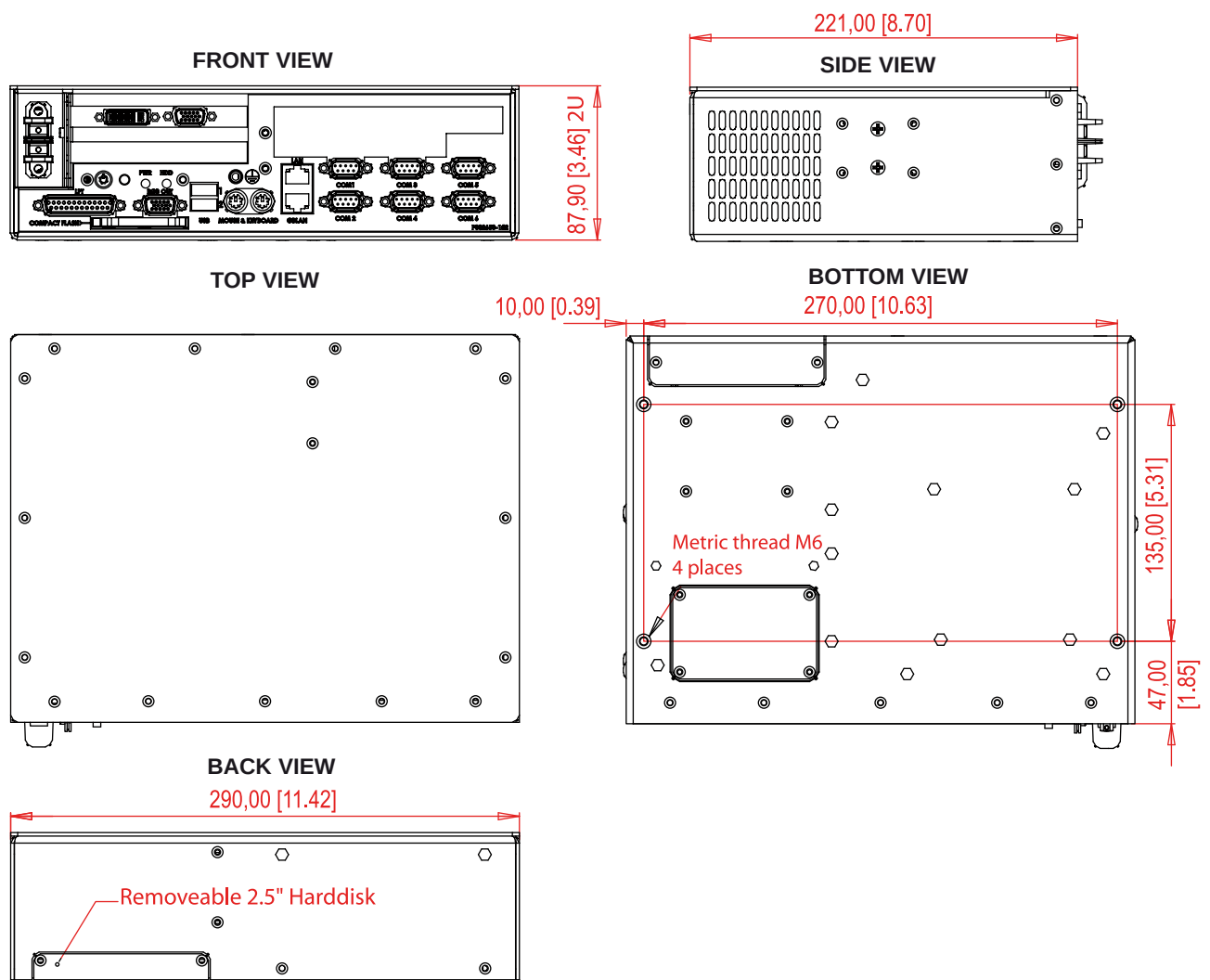
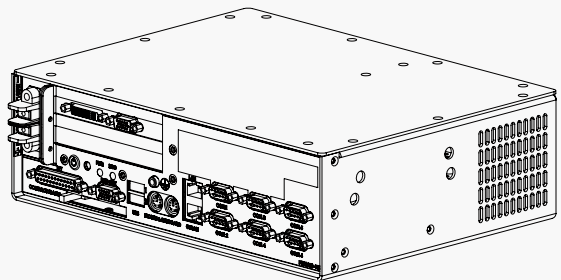
Military Stand-alone Computer (MIL)

Overview:

The **HT B04PM MIL** is a powerful ultra compact military computer with most computer functions built into a form factor that can be placed virtually anywhere. It supports any TFT, CRT and Plasma products.

Global Computer Specification:

- Microsoft® Windows® XP Professional Eng w/SP2
- 1 x Dual Head Graphics Card, DVI-I, PCI, 32MB, Max 2048 x 1536 @ 65Hz
- 1 x Automotive 40GB 2,5" HDD (Removable)
- 1 x Compact Flash Reader
- 1 x 10/100Mbps and 1 x 10/100/1000Mbps Gigabit Lan
- 6 x RS-232/422/485 Serial Ports (fully isolated RS422/485)
- 1 x Parallel port
- 2 x USB ports
- Amount of RAM from 256MB to 1GB
- Standard PS/2 for keyboard and mouse.
- 115/230VAC or 24VDC - 100W Power supply
- See page 2 for complete specifications and options



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

Global/Standard Computer Specifications:

• Installed OS : Microsoft® Windows® XP Professional Eng w/SP2 • Processor : None, configuration dependent (see Processor Board Options below) • Front Side Bus : 400Mhz • Chipset : Intel® 82855GME • BIOS : Phoenix 2Mbit Flash BIOS • Graphics Card : Dual Head Graphics Card, DVI-I, PCI, 32MB, Max 2048 x 1536 @ 65Hz in single display configuration • IDE Interface : Enhanced IDE UDMA 33/66/100 • Storage : 1 x Automotive Removable 40GB 2.5" IDE, 4200 RPM, 2MB Buffer • Installed Memory : None, configuration dependent (see Processor Board Options below) • RGB/VGA OUT : 1 x DSUB 15P • Compact Flash : 1 x CompactFlash Reader Type I/II with eject button • Parallel Port (LPT) : 1 x Bi-Directional Centronics with SPP/EPP/ECP mode • Serial Ports : 6 x RS-232/422/485 (fully isolated in RS422/485 mode) • 1st Ethernet : 1 x 10/100 Mbps • 2nd Ethernet : 1 x 10/100/1000 Mbps Intel 82541GI Giga Lan • USB Ports : 2 x USB2.0 - 480Mbps • Keyboard Port : 1 x Standard PS/2 mini DIN connector • Mouse Port : 1 x Standard PS/2 mini DIN connector • Power Manager : APM Ver 1.2 and ACPI 1.0a • Monitoring : Power supply, fan and temperature supervision	1 x 24P DVI-I & 1 x HDDB15F 1 x HDDB15F 1 x DB25F 6 x DB9M 1 x RJ-45 1 x RJ-45 2 x USB Type A 1 x PS/2 1 x PS/2
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Power Specifications:

Power Supply Options: • 115&230VAC - 50/60Hz : Model HT B04PM MIL-x1 (100W) Autorange • 24 VDC : Model HT B04PM MIL-x2 (100W) • Power Consumption - Operating : TBD (MAX)	Connector Type: - STD IEC - Screw Terminal
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Processor Board Options:

HT B04PM MIL-A1 / A2: • Processor : Intel®Pentium®M 1.1GHz Low Voltage, 1MB L2 Cache • Front Side Bus : 400Mhz • Chipset : Intel® 82855GME • VGA : Intel® Extreme Graphics2 with 2D/3D Graphics • BIOS : Phoenix 2Mbit Flash BIOS • RAM : 1 x SODIMM slot, 256MB->1GB, DDR200/266/333 MHz • IDE Interface : Enhanced IDE UDMA 33/66/100 • USB Ports : 3 x USB2.0 - 480Mbps	HT B04PM MIL-D1 / D2: • Processor (-Dx) : Intel®Pentium®M 745 "Dothan" - 1.8GHz, 2MB L2 Cache • Front Side Bus : 400Mhz • Chipset : Intel® 82855GME • VGA : Intel® Extreme Graphics2 with 2D/3D Graphics • BIOS : Phoenix 2Mbit Flash BIOS • RAM : 1 x SODIMM slot, 256MB->1GB, DDR200/266/333 MHz • IDE Interface : Enhanced IDE UDMA 33/66/100 • USB Ports : 3 x USB2.0 - 480Mbps
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MECHANICAL DESCRIPTION

Physical Specifications:

- 290 (W) x 87.90 (H) x 221 (D) mm - 11.42" (W) x 3.46" (H) x 8.70" (D)
- Weight: 3 kg (approx)
- Aluminium Chassis
- Removeable hatch for accessing removable HD (back)
- Removeable hatch for accessing serial config (bottom)

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 B04PM MIL-x2 Standard: 75cm Steering: 55cm

TESTING & TYPE APPROVALS

This product have been tested / type approved by the following classification societies: (1 = AC Version, 2 = DC Version)

EN60945 4th (IEC945 4th) (2) MIL-STD 461E, 1999 (2)
EN55024 (2)
EN55022 (2)
IACS E10 (2)

ADDITIONAL TESTING

Shock Testing:

50g/35ms (2)