



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

## TECHNICAL DESCRIPTION

### TFT Technology:

- 10.4 inch viewable image size
- Active Matrix, Thin Film Transistor (TFT)
- RGB vertical stripe

### TFT Characteristics:

- Pixel number : 800 x 600
- Pixel pitch (RGB) : 0.264 (H) x 0.264 (V) mm
- Response Time : 10 ms (typical), "black" to "white"
- Contrast Ratio : 500:1 (typical)
- Light Intensity : 400 cd/m2 (typical)
- Viewable Angle : 40 deg. (Up), 60 deg. (Down/Left/Right)
- : (@ CR > 10)
- Active Display Area : 211.2 (H) x 158.4 (V) mm
- Max Colors : 262,144 (6-bit max)

### Computer Specifications:

- Installed OS : None, please specify when ordering
- Processor : Intel® Pentium®M 1.1GHz, Low Voltage
- Cache / PCI Clock : 1MB Level 2 Cache / 400 MHz BUS
- System Chipset : Intel® 82855GME
- BIOS : Phoenix 2Mbit Flash, Supports ACPI
- PC/104 Slot : 1 x PC/104 with ISA Support
- Memory Slot : 1 x SODIMM with ECC, from 256MB->1GB
- Graphics Chip : Intel® 82855GME (Integrated/250MHz)
- IDE Controller : 1 x IDE Ports, Ultra DMA33/66/100
- Storage : 1 x Automotive 40GB, 2.5" IDE, 4200 RPM
- Compact Flash : 1 x CF Socket with Eject (Type I & II)
- Parallel Port (LPT) : 1 x EPP/ECP Port
- Primary Ethernet : 1 x 10/100 Mbps
- Secondary Ethernet : 1 x 10/100/1000 Mbps
- Serial Ports : 4 x RS232/RS422/RS485 (fully isolated)\*
- USB Ports : 4 x USB (2.0 compliant, 480Mbps)
- Keyboard/Mouse : 2 x PS/2
- Supported TFT Res. : From 640 x 480 up to 2048 x 1536\*\*
- RGB OUT Res : From 640 x 480 up to 1600 x 1200

\* only in RS422/485 mode

\*\* Optimal 1:1 resolution and recommended is 800 x 600 @ 60 Hz.

\*\* If resolutions is set above 1:1, desktop scrolling mode will be used.

### Power Specifications:

#### Power Supply Options:

- 115 & 230VAC - 50/60Hz : Model JH 10T08 MMC A1
- 24 VDC : Model JH 10T08 MMC A2

#### Power Consumption:

- Operating : 100W (max) (Configuration depending)
- : 65W (typ) (Max backlight & high CPU load)

### Available Technical Options:

#### Miscellaneous Options:

- Audio AC97 Compliant : Line In/Out, Mic In, Speaker Out
- Processor : Up to 1.8 GHz
- Memory : Up to 1GB

## MECHANICAL DESCRIPTION

### Physical Dimensions:

- 339 (W) x 256 (H) x 105 (D) mm
- 13.35" (W) x 10.08" (H) x 4.13" (D)
- Weight: 7 kg (approx)

### User Controls:

#### On front bezel:

- Power On/Off (push button)
- Brightness Control
- Power LED

#### Behind IP66 rated hatch:

- USB 2.0 connector

### Environmental Considerations:

- Operating : Temperature -15 deg. C to +55 deg. C  
Humidity up to 95%
- Storage : Temperature -20 deg. C to +70 deg. C  
Humidity up to 95%
- IP-rating : IP66

#### 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.

### Input/Output Connectors:

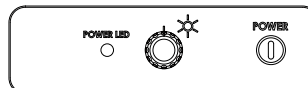
| Function           | Back side                               | Inside          | Front   |
|--------------------|-----------------------------------------|-----------------|---------|
| Ethernet Lan/GBLan | 2 x RJ-45                               |                 |         |
| PC/104 Slot        |                                         | 1 x PC/104 Slot |         |
| Keyboard           | 1 x PS/2                                |                 |         |
| Mouse              | 1 x PS/2                                |                 |         |
| Compact Flash      | 1 x CF Socket                           |                 |         |
| COM 1              | 1 x DB9M                                |                 |         |
| COM 2              | 1 x DB9M                                |                 |         |
| COM 3              | 1 x DB9M                                |                 |         |
| COM 4              | 1 x DB9M                                |                 |         |
| LPT1               | 1 x DB25F                               |                 |         |
| USB2.0             | 3 x USB                                 |                 | 1 x USB |
| AC Power           | Std IEC inlet (Odd version models)      |                 |         |
| DC Power           | DC Screw terminal (Even version models) |                 |         |
| RGB Out            | 1 x HD-15F                              |                 |         |
| Line In/Out        | 3.5mm mini jack (depends on model)      |                 |         |
| Mic In             | 3.5mm mini jack (depends on model)      |                 |         |

### Available Mechanical Options:

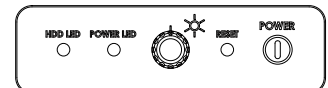
- JH 10TSV : Sun visor \*
- P005335-1 : Front Label with HDD LED and Reset Button Aperture
- Touch Screen \*\*

\* Option: Standard or custom logo and color

\*\* Option: Factory mounted



Standard/Retrofit



P005335-1

Compass Safe Distance: JH 10T08 MMC

Standard: 55cm

Steering: 40cm

## APPROVALS & CERTIFICATES

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

**EN60945 4th** (IEC945 4th)  
**IACS E10**  
**GL** - Germanischer Lloyd

**DNV** - Det Norske Veritas  
**ABS** - American Bureau of Shipping  
**LRS** - Lloyd's Register of Shipping

**BV** - Bureau Veritas  
**ClassNK** - Nippon Kaiji Kyokai