

VTPC104VS



VARTECH SYSTEMS INC.

Solutions for Demanding Applications

10.4" Fully-Enclosed NEMA 4X (IP66) VESA Mount LCD

VarTech's multi-functional, user friendly, industrial grade VESA mount 10.4" NEMA 4X (IP66) fully enclosed touch screen computer offers extensive features, is housed in a gasket sealed 316-type stainless steel enclosure, is incorporated with a 400 nit (cd/m²) bright active matrix TFT display and is integrated with Intel's Atom N270 1.6GHz Processing Technology. The system has no external vents, so nothing can get under its skin; including weather, dust, dirt, moisture, oil, chemicals or other harsh contaminants. With its lightweight yet rugged construction and either pre-cabled or bulkhead connectors, these models are easily mounted on walls, stands, arms or other industrial equipment. With optional brackets, it conforms to VESA mounting standards.

SPECIFICATIONS

FEATURES

- 10.4" Bright Active Matrix TFT Display, 400 nits (cd/m²)
- Powered by Intel Atom N270 1.6GHz Processor
- 2 GB 200-pin SO-DIMM DDR 333/400MHz
- 320 GB SATA Fast Access Disk Drive Standard (Up to 1TB Available)
- Fully-Enclosed, Gasket Sealed NEMA 4X (IP66) Stainless Steel Enclosure
- Resistive Touch Screen Standard (other technologies available)
- Windows XP Professional Operating System (optional Windows Embedded or Windows 7)
- High Contrast Ratio & Definition, Outstanding Vivid Color & Image Quality
- Wide Color Gamut
- 16.8 million colors
- Energy Efficient, Low Power Consumption
- High Environmental Performance and Reliability
- Anti-Reflective Protective Window
- SVGA (800 x 600) Resolution (optional XGA 1024 x 768)
- Wide Operational Temperature Range, -10°C to +60°C (14°F to +140°F) (optional extended temperature ranges available)
- RoHS Compliant
- Engineered and Manufactured by VarTech Systems, an ISO 9001 Registered Company
- **Engineered, Fabricated and Assembled in the USA**
- Two (2) Year Warranty

Display Size

10.4" SVGA (800 x 600) LCD

Brightness

400 nits (cd/m²)

CPU

Intel® Atom™ N270, 1.6 GHz Processor with a 533 Mhz FSB

System Memory

2GB DDR2 533 SO-DIMM

Disk Drive

320GB Standard (Up to 1TB Available)

Operating System

Windows XP Pro (Optional: Windows Embedded Standard or Windows 7)

I/O Interface Connectors

1x Power, 1x LAN, 1x RS-232, 1x USB, 1x another USB or a Serial Port

Contrast Ratio

500 to 1

Viewing Angles

60°/60°/35°/65° (L/R/U/D)

Graphics

Intel Generation 3.5 integrated GFX Core (133Mhz)

Operational Temperatures

-10°C to +60°C (14 to 140F)

Power

Power Supply - 110V AC, **Power Consumption** - 37 Watts typical 40 watts max.

VESA Mountable

(100mm) 316 Stainless Steel Gasket Sealed Enclosure

EMI/EMC

Designed to meet FCC Class B

Environmental Design

NEMA 4X (IP66)

Weight

16 lb.

Touch Screen

Resistive

Dimensions

12.5" (W) x 14.37" (H) x 4.32" (D) - Height is 10.50" when not allowing for connections at bottom

Marks of Conformity:

Product Safety: UL60950-1/CSA C22.2 No. 60590-1 (2006/95/EC, EN 60950-1:2006, IEC 60950-1:2005)
FCC47 CFR part 15, subpart B
EMC: EN 55022:2006, EN 55024:1998, CISPR 22:2005, CISPR 24:1997
Canada: ICES-003
Australia/New Zealand: AS/NZS CISPR 22
 CE
 RoHS



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OPTIONAL

- T4500 2.30 GHz 800MHz FSB Intel Dual Core Processor (operating temperature with dual core processor: -10° to 45°C / 14° to 113°F)
- Optional 4GB DDR2 PC2-5300 SO-DIMM System Memory (only in conjunction with the Dual Core processor)
- Solid State SATA hard drive
- Up to 1TB Hard Drive Available
- Can Support Dual Hard Drives
- CANbus
- Windows Embedded Standard or Windows 7
- Alternate Touch Screen Technologies: Capacitive or Armor Touch
- Sunlight Readable 1000 nits (cd/m²), Low Power,
- High Reliability Solid State LED Backlighting (will require a thermal dissipation heat-sink on rear of enclosure)
- Wireless Connection
- Optical Bonding for added Shock & Vibration protection and/or reduced solar reflectivity (VBOND)
- Fan-less Design (will require a thermal dissipation heat-sink on rear of enclosure)
- Optional Operating: -20°C (-4°F) to 70°C (158°F)
- 6 to 32V DC Power Supply
- For Rear Exiting connectors please see VTPC104VSR
- Available with adjustable tilt pedestal