



Solutions for Demanding Applications

VTPC104PHB NEMA 4 (IP65) Panel Mount Sunlight Readable PC



VarTech's multi-functional, user friendly, industrial grade 10.4" Sunlight Readable Panel PC is integrated with Intel's Atom N270 1.6GHz Processing Technology and extensive features, including VarTech's proprietary high-luminance LED backlighting, optical stack enhancements and optical bonding. VarTech's harsh-duty Panel PCs are a space saving solution for many demanding environments. VarTech's panel PCs are available with a rugged gasket sealed aluminum NEMA 4 (IP65) rated black powder coated beveled front bezel. The 10.4" Panel PC is also available with VarTech's best-in-class NEMA 4X (IP66) protection.

SPECIFICATIONS

FEATURES

- 10.4" Very Bright Active Matrix Sunlight Readable TFT Display; 900 nits (cd/m²)
- High-Luminance Solid-State LED-enhanced Backlighting
- Optical Bonding of Protective Window (or Touch Screen) Directly to the Front Surface of the LCD Face (VBOND)
- Integration of light management films
- Powered by Intel's Atom N270 1.6GHz Processor, **Optional** T4500 2.30 GHz 800MHz FSB Intel Dual Core, Intel Core i3 or i5 Processors
- 2GB DDR2 Onboard Memory
- 320 GB SATA Fast Access Disk Drive
- NEMA 4 (IP65) - Black Powder Coat Aluminum Front Bezel
- 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
- SVGA (800 x 600) Resolution, Optional XGA (1024 x 768)
- Wide Operational Temperature Range, -10°C to +60°C (14°F to +140°F)
- 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

10.4" XGA TFT LCD

Resolution

SVGA , 800 x 600

Optional: XGA, 1024 x 768

Brightness

900 nits (cd/m²)

Optically Bonded

Yes. Optical bonding increases contrast in high direct light and adds to shock and vibration tolerance

Processor

Intel Atom N270 1.6GHz

Optional: T4500 2.30 GHz 800MHz FSB Intel Dual Core, Intel Core i3 or i5 Processor

BIOS

Phoenix-Award PnP Flash BIOS

Ethernet

Realtek 8111B PCIe 10/100/1000 base-T

Ethernet

O/S

Windows XP Pro (optional Windows Embedded Standard)

Hard Drive

320GB hard rive (optional SSD and extended temperature drive available), Hard Drives Expandable to 1TB

System Memory

2 GB 200-pin SDDRII 667MHz SO-DIMM

Chip Set

Intel 945GME + Intel ICH7M

Display Interface

Graphics Chipset: Integrated with Intel®

Graphics Media Accelerator 950

Interface: CRT support up to 2048 x 1536,

LVDS support 18/36 bit up to 1600 x 1200

Power Input

90-240V AC

Optional:

9 to 32V DC

I/O Ports

4 USB ports

1 VGA

3 RS232 serial ports

Temperature

Operational: -10° to 60°C (14 to 140F)

Optional: -20°C to 70C (-4F to 158F)

Storage: -40° to 65°C (-40 to 149F)

Humidity

Operational: 10 to 90% RH NC

Storage: 5 to 95% RH NC

Touch Screen

Resistive

Display Construction

NEMA 4 (IP65) - Black Powder Coat

Aluminum Front Bezel

Approximate Shipping Dimensions and Weight

20" x 17" x 10" (W x L x H) / 13lbs.



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

WEEE



CONTACT

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OPTIONS

- T4500 2.30 GHz 800MHz FSB Intel Dual Core Processor
- Intel Core i3 or i5 Processors
- Optional 4GB DDR2 PC2-5300 SO-DIMM System Memory (only in conjunction with the Dual Core processor)
- Hard Drive expandable to 1TB
- Solid state SATA hard drive
- Dual Hard Drives Available
- Single PCIe 16 or Dual PCI (full length)
- CANbus
- Windows Embedded or Windows 7 (32 or 64 Bit)
- NEMA 4X (IP66) Front Panel
- Touch Screen: Capacitive or Armor Touch
- Wireless Connection
- XGA (1024 x 768) Resolution
- 12VDC, 24VDC, or 9 to 36VDC
- -20°C (-4°C) to 70 (158) Operational Temperature

Specifications subject to change without notice. Please inquire before ordering.