



Solutions for Demanding Applications

VTPC150PHB NEMA 4 (IP65) Sunlight Readable Panel Computer

VarTech's multi-functional, user friendly, industrial grade 15" Sunlight Readable Panel PC is integrated with T4500 2.30 GHz 800MHz FSB Intel Dual Core 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 15" Panel PC is also available with VarTech's best-in-class NEMA 4X (IP66) protection.



FEATURES

- 15" Very Bright Active Matrix Sunlight Readable TFT Display; 1950 nits (cd/m²)
- High-Luminance Solid-State LED-enhanced Backlighting
- Integration of light management films
- Powered by T4500 2.30 GHz 800MHz FSB Intel Dual Core, Intel Core i3 or i5 Processors also Available
- 2GB DDR2 PC2-5300 SO-DIMM System Memory (expandable)
- Optical Bonding of Protective Window (or Touch Screen) Directly to the Front Surface of the LCD Face (VBOND)
- 320 GB SATA Fast Access Disk Drive, Optional Hard Drives Expandable to 1TB
- 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
- XGA (1024 x 768) Resolution
- 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

SPECIFICATIONS

Display
15" XGA TFT LCD

Resolution
1024 x 768

Viewing Angle
130° (H) / 100° (V)

Pixel Pitch
0.297mm

Display Colors
16.2M

Brightness
1950 nits LED enhanced LCD with optical bonding

Contrast Ratio
600:1

Response Time
12 ms

Processor
T4500 2.30 GHz 800MHz FSB Intel Dual Core, Intel Core i3 or i5 Processors also Available

BIOS
Phoenix-Award PnP Flash BIOS

Hard Drive
320GB Fast Access SATA drive, Optional Hard Drives Expandable to 1TB

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

System Memory
2 GB DDR2 533/667 SDRAM (4GB Optional)

O/S
Microsoft XP Professional (optional Windows Embedded Standard)

VGA
Intel®GME965 GMCH Gen4 integrated graphics engine

Chip Set
Intel® GME965+ICH8M/EM

Power Input
90-240V AC
Optional:
12/24V DC, 9 to 32V DC

I/O Ports
2 RS-232 COM port (Optional RS-422/485 port)
2 LAN ports
4 USB 2.0
2 Audio jacks

Firewire Ports
2 x IEEE 1394a

Front Bezel I/O Ports
2 x USB 2.0 compliant

DVD Drive (E-IDE / ATAPI) (Optional)
DVD-R, DVD+R, DVD-RW, DVD+RW, DVD-R DL, DVD+R9, CD-R, CD-RW

Temperature
Operational: -10° to 60°C (14 to 140F)
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 Weight and Dimensions
24(W) x 21(L) x 10(H) @ 22lbs

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



CONTACT

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OPTIONS

- Optional 4GB DDR2 PC2-5300 SO-DIMM System Memory
- Intel Core i3 or i5 Processor
- Hard Drive expandable to 1TB
- Solid state SATA hard drive
- Dual Hard Drive Support
- Single PCIe 16 or Dual PCI (full length)
- CANbus
- Windows Embedded or Windows 7 (32 or 64 Bit)
- NEMA 4X (IP66) Front Panel
- Alternate Touch Screen Technologies: Capacitive or Armor Touch
- Wireless Connection
- 12VDC, 24VDC, or 9 to 36VDC
- Fanless Design

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