

VTPC190P



VARTECH SYSTEMS INC.

Solutions for Demanding Applications

VTPC190P NEMA 4 (IP65) Panel Mount Computer

VarTech's multi-functional, user friendly, industrial grade 19" Panel PC is integrated with T4500 2.30 GHz 800MHz FSB Intel Dual Core Processing Technology and extensive features. 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 19" Panel PC is also available with VarTech's best-in-class NEMA 4X (IP66) protection.



FEATURES

- 19" Bright Active Matrix TFT Display, 300 nits (cd/m²)
- Powered by T4500 2.30 GHz 800MHz FSB Intel Dual Core, **Optional** Intel Core i3 or i5 Processors
- 2GB DDR2 PC2-5300 SO-DIMM System Memory (expandable)
- 320 GB SATA Fast Access Disk Drive, **Optional** Hard Drives up 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
- SXGA (1280 x 1024) 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

19" SXGA TFT LCD

Resolution

1280 x 1024

Viewing Angle

150° (H) / 135° (V)

Pixel Pitch

0.264mm

Display Colors

16.2M

Brightness

300 nits cd/m²

Contrast Ratio

700:1

Response Time

8 ms

Processor

T4500 2.30 GHz 800MHz FSB Intel Dual Core, Intel Core i3 or i5 Processors available

BIOS

Phoenix-Award 16Mbit (SPI) with RPL/PXE LAN Boot ROM, SmartView and customer CMOS backup

O/S

Windows XP Professional (optional Windows Embedded Standard or Windows 7)

System Memory

2 DDR2 533/667 SDRAM sockets, 2GB standard, 4GB optional (~3.25 recognizable)

Chip Set

Intel® GME965+ICH8M/EM

VGA

Intel® GME965 GMCH Gen4 integrated graphics engine

Hard Drive

320 GB Fast Access SATA drive, **Optional** Hard Drive support up to 1TB

Power Input

90-240V AC

Optional:

12/24V DC, 9 to 32V DC

Back I/O Ports

2 RS-232 COM port
(Optional RS-422\485 port)

2 LAN ports

4 USB 2.0

2 Audio jacks

Front Bezel I/O Ports

2 USB 2.0

Firewire Ports

2 x IEEE 1394a

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 140°F)

Storage: -40° to 65°C (-40 to 149°F)

Humidity

Operational: 10 to 90% RH NC

Storage: 5 to 95% RH NC

Weight

22 lbs actual with components

Touch Screen

Resistive Standard

Display Construction

NEMA 4 (IP65) - Black Powder Coat Aluminum Front Bezel

Approximate Shipping Dimensions and Weight

24" x 26" x 10" (W x L x H) / 29lbs.



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

- Hard Drive expandable to 1TB
- Optional 4 GB DDR2 PC2-5300 SO-DIMM System Memory
- 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)
- VBOND Optical Bonding for added Shock & Vi-

bration protection and/or reduced solar reflectivity

- NEMA 4X (IP66) Front Panel
- Touch Screen: Capacitive or Armor Touch
- Wireless Connection
- 1000 nits (cd/m²) Sunlight Readable LCD
- 12VDC, 24VDC, or 9 to 36VDC
- Fanless Design

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