



Solutions for Demanding Applications

VTPC190PSSF Fanless NEMA 4X (IP66) Panel Mount PC

VarTech's multi-functional, user friendly, industrial grade 19" Fanless NEMA 4X (IP66) Panel PC is integrated with Intel's Atom N270 1.6GHz 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 NEMA 4X (IP66) rated stainless steel front bezel. The 19" Panel PC is also available with VarTech's best-in-class NEMA 4 (IP65) protection.

SPECIFICATIONS

FEATURES

- 19" Bright Active Matrix TFT Display, 300 nits (cd/m²)
- Powered by Intel's Atom N270 1.6GHz Processor
- 2GB DDR2 PC2-5300 SO-DIMM System Memory (expandable)
- 320 GB SATA Fast Access Disk Drive, **Optional** Hard Drives Expandable to 1TB
- Fanless Design
- NEMA 4X (IP66) Stainless Steel 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**

CONTACT

HEADQUARTERS

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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 cd/m²

Contrast Ratio

700:1

Response Time

8 ms

Processor

Intel® Atom™ N270, 1.6 GHz

Chip Set

Intel® 945GSE+ICH7M

BIOS

AMI 8Mbit with RPL/PXE LAN boot ROM

O/S

Windows XP
(optional Windows Embedded Standard or Windows 7)

System Memory

2GB DDR2 400/533 DIMM

VGA

Intel® Gen 3.5 high performance integrated graphic controller for CRT and LVDS

Hard Drive

320 GB Fast Access SATA Drive
Other Shared disks available including Solid State SATA drives from 8GB to 64GB.

Power Input

90-240V AC

Optional:

12/24V DC,

9 to 32V DC

Power Connector

ATX power connector

Back Panel I/O

Dual Gigabit LAN ports, PS/2 keyboard & mouse support, vga output, 3 RS-232 serial ports standard, 5 optional with 1 being capable of RS422/485, mic in, line out, 4 USB, optional PCI riser, optional compact flash

System Monitoring and Management

Wake on LAN
Wake on mouse
Keyboard power on
RTC times to power on
Watchdog timer
AC power failure recovery

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

Humidity

Operational: 10 to 90% RH NC
Storage: 5 to 95% RH NC

Touch Screen

Resistive Standard

Bezel Construction

NEMA 4X (IP66) 316 - Stainless Steel, Gasketed

Approximate Shipping Dimensions and Weight

24" x 26" x 10" (WxLxH) / 30lbs.

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



OPTIONS

- 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)
- VBOND Optical Bonding for added Shock & Vibration protection and/or reduced solar reflectivity
- NEMA 4 (IP65) Front Panel
- Touch Screen: Capacitive or Armor Touch
- Wireless Connection
- 9 to 36VDC Power Source

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