

# VTPC190PF



# VARTECH SYSTEMS INC.

Solutions for Demanding Applications

## VTPC190PF Fanless NEMA 4 (IP65) Panel Mount Computer

VarTech's multi-functional, user friendly, industrial grade 19" fanless 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 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.

## SPECIFICATIONS

### FEATURES

- Fanless 19" Bright Active Matrix TFT Display, 300 nits (cd/m<sup>2</sup>)
- 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 up to 1TB
- Fanless Design
- 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 Hard Drives Available



### 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/m<sup>2</sup>

### 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

Microsoft XP Professional (optional Windows Embedded Standard)

### 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

### Front Bezel I/O

2 USB 2.0 ports

### 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

### Weight

23 lbs actual with components

### Approximate Shipping Weight and Dimensions

24 x 26 x 10 @ 29 pounds

### Touch Screen

Resistive Standard

### Display Construction

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

### 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 Standard or Windows 7
- VBOND Optical Bonding for added Shock &

Vibration protection and/or reduced solar reflectivity

- NEMA 4X (IP66) Front Panel
- Touch Screen: Capacitive or Armor Touch
- Wireless Connection
- 12VDC, 24VDC, or 9 to 36VDC

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