

# VTPC170PF



# VARTECH SYSTEMS INC.

Solutions for Demanding Applications

## VTPC170PF Fanless NEMA 4 (IP65) Panel Mount Computer



VarTech's multi-functional, user friendly, industrial grade 17" Fanless Panel PC is integrated with 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 17" Panel PC is also available with VarTech's best-in-class NEMA 4X (IP66) protection.

### SPECIFICATIONS

#### FEATURES

- Fanless 17" 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 Drive Support 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**



#### CONTACT

#### HEADQUARTERS

11529 Sun Belt Ct.  
Baton Rouge, Louisiana 70809

**Phone** 800.223.8050

#### International

001.225.298.0300

**Fax** 225.297.2440

#### E-mail

sales@vartechsystems.com

#### Website

www.vartechsystems.com

#### Display

17" 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/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 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

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

#### Power Input

90-240V AC

#### Optional:

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 (SATA) (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

19 lb

#### 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.