



## VTPC170VA NEMA 4 (IP65) Fully Enclosed LCD & Computer



VarTech's multi-functional, user friendly, industrial grade VESA mount 17" NEMA 4 (IP65) fully enclosed touch screen computer offers extensive features, is housed in a gasket sealed black powder coated enclosure, is incorporated with a 380 nit (cd/m<sup>2</sup>) bright active matrix TFT display and is integrated with Intel's Atom N270 1.6GHz Processing Technology. The system has no external vents, so nothing can get under its skin; including weather, dust, dirt, moisture, oil, chemicals or other harsh contaminants. With its lightweight yet rugged construction and either pre-cabled or bulkhead connectors, these models are easily mounted on walls, stands, arms or other industrial equipment. With optional brackets, it conforms to VESA mounting standards.

## SPECIFICATIONS

### FEATURES

- 17" Bright Active Matrix TFT Display, 380 nits (cd/m<sup>2</sup>)
- Powered by Intel Atom N270 1.6GHz Processor
- 2 GB 200-pin SO-DIMM DDR 333/400MHz
- 320 GB SATA Fast Access Disk Drive Standard (Up to 1TB Available)
- No Heat Sink for Slimmer, Lighter Design
- Fully-Enclosed, Gasket Sealed NEMA 4 (IP65) Black Powder Coated Enclosure
- 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
- Anti-Reflective Protective Window
- SXGA (1280 x 1024) Resolution
- Wide Operational Temperature Range, -10°C to +55°C (14°F to +131°F)(optional extended temperature ranges available)
- RoHS Compliant
- Engineered and Manufactured by VarTech Systems, an ISO 9001 Registered Company
- Engineered, Fabricated and Assembled in the USA
- Two (2) Year Warranty

### Display

17" SXGA TFT LCD

### Resolution

1280 x 1024

### Viewing Angle

160° (H) / 165° (V)

### Pixel Pitch

0.264mm

### Display Colors

16.7M

### Brightness

380 nits cd/m<sup>2</sup>

### Contrast Ratio

1000:1

### Response Time

5 ms

### Power Input

100-240 VAC 1.5A 50/60 Hz

### Optional:

9-36V DC,

### Power Consumption

45W

### Processor

Intel® Atom™ N270, 1.6 GHz

Processor with a 533 Mhz FSB

### BIOS

AMI BIOS

### O/S

Microsoft XP Professional (optional

Windows Embedded Standard or

Windows 7)

### System Memory

2GB DDR2 533 SO-DIMM

### Hard Drive

320GB Fast Access SATA

### VGA

Intel Generation 3.5 integrated GFX

Core (133Mhz)

### Sealed I/O

1 Power Connector

1 LAN port (2 LAN Optional)

2 RS-232 COM port

3 USB 2.0 ports

### LAN

PCIe Realtek 8111CP GbE

### Connections

Sealed connections for USB, Serial, Ethernet, and Power

### Temperature

Operational: -10° to 55°C (14° to 131° F)

Storage: -20° to 65°C (-4° to 149°F)

### Humidity

Operational: 0 to 90% RH NC

Storage: 5 to 95% RH NC

### Touch Screen

Resistive

### Display Construction

NEMA 4 (IP65) - Black Powder Coat

### Dimensions:

17.26" (W) x 17.59" (H) x 5.21" (D)

Height is 13.72" when not allowing for connections at bottom

## CONTACT

### HEADQUARTERS

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### Website

www.vartechsystems.com

## OPTIONS

- Solid State SATA hard drive
- Up to 1TB Hard Drive Available
- Can Support Dual Hard Drives
- CANbus
- Windows Embedded Standard or Windows 7
- Alternate Touch Screen Technologies: Capacitive or Armor Touch
- Wireless Connection
- Optical Bonding for added Shock & Vibration protection and/or reduced solar reflectivity (VBOND)
- Optional Operating: -20°C (-4°F)
- 6 to 32V DC Power Supply
- For Rear Exiting connectors please see VTPC170VAR
- \* Available with adjustable tilt pedestal

### 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

