



Solutions for Demanding Applications

## VTPC150VSA NEMA 4X (IP66) Fully Enclosed LCD & Computer



VarTech's multi-functional, user friendly, industrial grade VESA mount 15" NEMA 4X (IP66) fully enclosed touch screen computer offers extensive features, is housed in a gasket sealed 316-type stainless steel enclosure, is incorporated with a 400 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.

### FEATURES

- 15" Bright Active Matrix TFT Display, 400 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 4X (IP66) Stainless Steel 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
- XGA (1024 x 768) 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

### CONTACT

#### HEADQUARTERS

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### SPECIFICATIONS

#### Display

15" XGA TFT LCD

#### Resolution

1024 x 768

#### Viewing Angle

140° (H) / 120° (V)

#### Pixel Pitch

0.294mm

#### Display Colors

16.7M

#### Brightness

400 nits (cd/m<sup>2</sup>)

#### Contrast Ratio

500:1

#### Response Time

7 ms

#### Power Input

100-240 VAC 1.5A 50/60 Hz

#### Optional:

12/24V DC,  
6 to 32V DC

#### Power Consumption

30W

#### Processor

Intel® Atom™ N270, 1.6 GHz Processor with a 533 Mhz FSB

#### BIOS

AMI BIOS

#### O/S

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

#### System Memory

2GB DDR2 533 SO-DIMM

#### Hard Drive

320GB Fast Access SATA Standard (Up to 1TB Available)

#### 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

#### Expansion Slot

1 PCI Express Mini Card

#### LAN

PCIe Realtek 8111CP GbE

#### Connections

Sealed connections for USB, Serial, Ethernet, and Power

#### Temperature

Operational:  
-10° to 55°C (14°F to 131°F)  
Storage:  
-20° to 65°C (-4°F to 149°F)

#### Weight

18 lb

#### Humidity

Operational: 0 to 90% RH NC  
Storage: 0 to 95% RH NC

#### Touch Screen

Resistive Standard

#### Construction

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

#### Dimensions:

16.15" (W) x 15.96" (H) x 5.21" (D)  
Height is 12.09" when not allowing for connections at bottom

#### Approximate Shipping Dimensions and Weight

24" x 21" x 10" (WxLxH) / 25lbs.

#### 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

- 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) to 70°C (158°F)
- 6 to 32V DC Power Supply
- For Rear Exiting connectors please see VTPC150VSAR
- Available with adjustable tilt pedestal