



Solutions for Demanding Applications

## VTPC190VSA NEMA 4X (IP66) Fully Enclosed LCD & Computer



VarTech's multi-functional, user friendly, industrial grade VESA mount 19" 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 300 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

- 19" Bright Active Matrix TFT Display, 300 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
- 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

### SPECIFICATIONS

#### Display

19" SXGA TFT LCD

#### Resolution

1280 x 1024

#### Pixel Pitch

0.294mm

#### Display Colors

16.7M

#### Brightness

300 cd/m<sup>2</sup>

#### Contrast Ratio

2000:1

#### Response Time

12 ms

#### Viewing Angles

178°V / 178°H

#### Power Input

100-240 VAC 1.5A 50/60 Hz

#### Optional:

9-36V DC

#### 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 1DDR2 533 SO-DIMM

#### Hard Drive

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

#### VGA

Intel Generation 3.5 integrated GFX Core (133Mhz)

#### Sealed I/O

1 LAN port

2 RS-232 COM port

3 USB 2.0 ports

1 Power On/Off

1 Power Connector

#### LAN

PCIe Realtek 8111CP GbE

#### Temperature

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

Storage: -20° to 65°C (-4 to 149F)

#### 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

#### Weight

29lbs. With components

#### Approximate Shipping Weight/Dimensions

24 x 26 x 10 @ 35lbs

### 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

### 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 60C (140F)
- 6 to 32V DC Power Supply
- For Rear Exiting connectors please see VTPC190VSAR
- 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



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