

VTPC190V



VARTECH SYSTEMS INC.

Solutions for Demanding Applications

VTPC190V NEMA 4 (IP65) Fully Enclosed LCD & Computer



VarTech's multi-functional, user friendly, industrial grade VESA mount 15" 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 300 nit (cd/m²) 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/m²)
- 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)
- 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 +60°C (14°F to +140°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/m²

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

Optional Processor:

T4500 2.30 GHz 800MHz FSB Pentium Dual Core CPU

BIOS

AMI BIOS

O/S

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

System Memory

2GB 1DDR2 533 SO-DIMM

With Optional Dual Core CPU:

2GB DDR2 PC2-5300 Ram (4GB optional)

Hard Drive

320 GB Fast Access SATA

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

I/O with optional Dual Core CPU:

- 3 USB, 2 Serial, 1 LAN connector

LAN

PCIe Realtek 8111CP GbE

Connections

Sealed connections for USB, Serial, Ethernet, and Power

Temperature

Operational: -10° to 60°C (14 to 140F)
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 4 (IP65) Black Powder Coated, Gasketed

Approximate Shipping Dimensions and Weight

24" x 26" x 10" (WxLxH) / 33lbs.

CONTACT

HEADQUARTERS

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OPTIONS

- T4500 2.30 GHz 800MHz FSB Intel Dual Core Processor (operating temperature with dual core processor: -10° to 45°C / 14° to 113°F)
- Optional 4GB DDR2 PC2-5300 SO-DIMM System Memory (only in conjunction with the Dual Core processor)
- 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)
- Fan-less Design (will require a thermal dissipation heat-sink on rear of enclosure)
- Optional Operating: -20°C (-4°F) to 60°C (140F)
- 6 to 32V DC Power Supply
- For Rear Exiting connectors please see VTPC190VR
- * 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

