



Solutions for Demanding Applications

19.0" Class1/Div2 Certified NEMA 4X (IP66) LCD & Computer



VarTech's industrial grade, Class 1 Division 2 Hazardous Area certified, 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/m²) bright active matrix TFT display and is integrated with Intel's Atom N270 1.6GHz Processing Technology. The system multi-functional, user friendly 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 this VESA mount model is easily mounted on walls, stands, arms or other industrial equipment.

This product has been tested and examined by an independent agency and found to comply with the applicable requirements of UL60950-1/CSA C22.2 No. 60950-1, UL1604 Electrical Equipment for Use in Class I and II, Division 2, and Class III Hazardous (Classified) Locations, CSA C22.2, Non-incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations.

FEATURES

- Independently Tested and Certified for Class 1 Division 2 Applications
- 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
- 100mm VESA Pattern Mounting
- 320 GB SATA Fast Access Disk Drive Standard (Up to 1TB Available)
- NEMA 4X (IP66) Enclosure, Stainless Steel 316
- Sealed Connections for USB, Serial, Ethernet and Power
- 120-240 VAC 1.5A 50/60 Hz Power
- Resistive Touch Screen Standard
- 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**
- Two (2) Year Warranty

SPECIFICATIONS

Display

19" SXGA TFT LCD

Resolution

1280 x 1024

Pixel Pitch

0.294mm

Display Colors

16.7M

Brightness

250 cd/m²

Contrast Ratio

1000:1

Response Time

12 ms

Viewing Angles

178°V / 178°H

Power Input

120-240 VAC 1.5A 50/60

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 Windows7)

System Memory

2GB 1DDR2 533 SO-DIMM

Hard Drive

320 GB Fast Access SATA (Optional SATA Solid State Hard Drive) 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

Connections

Sealed connections for USB, Serial, Ethernet, and Power

Temperature

Operational: -10° to 60°C (14 to 140F)
Storage: -40° to 65°C (-40 to 149F)

Humidity

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

Touch Screen

Resistive Standard

Construction

Class 1 Div 2 Certified, Fully Enclosed, NEMA 4X (IP66) 316 - Stainless Steel, Gasketed

Approximate Shipping Dimensions and Weight

24" x 26" x 10" (W x L x H) / 38lbs.

Marks of Conformity:

Product Safety:

UL1604

EN 60950-1:2006, IEC 60950-1:2005)

FCC47 CFR part 15, subpart B

CSA C22.2 No. 213-M1987

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



CONTACT

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OPTIONS

- T4500 2.30 GHz 800MHz FSB Intel Dual Core Processor
- Optional 4GB DDR2 PC2-5300 SO-DIMM System Memory (only in conjunction with the Dual Core processor)
- Dual Hard Drives
- Hard Drives Expandable to 1TB
- Solid state SATA hard drive
- Windows Embedded Standard or Windows 7

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