



Solutions for Demanding Applications

Sunlight Readable NEMA 4X Industrial Panel PC



VarTech's multi-functional, user friendly, industrial grade 10.4" NEMA 4X (IP66), sunlight readable Panel PC is integrated with Intel's Atom N270 1.6GHz Processing Technology and extensive features. VarTech's harsh-duty Panel PCs are a space saving solution for many demanding environments. VarTech's panel PCs are available with a rugged gasket sealed NEMA 4X (IP66) rated stainless steel front bezel. The 10.4" Panel PC is also available with VarTech's best-in-class NEMA 4 (IP65) protection.

SPECIFICATIONS

FEATURES

- 10.4" Very Bright Active Matrix Sunlight Readable TFT Display; 1000 nits (cd/m²)
- High-Luminance Solid-State LED-enhanced Backlighting
- Optical Bonding of Protective Window (or Touch Screen) Directly to the Front Surface of the LCD Face (VBOND)
- Integration of light management films
- Powered by Intel's Atom N270 1.6GHz Processor, Optional T4500 2.30 GHz 800MHz FSB Intel Dual Core, Intel Core i3 or i5 Processors
- 2GB DDR2 Onboard Memory
- 320 GB SATA Fast Access Disk Drive, Optional Hard Drives Expandable to 1TB
- NEMA 4X (IP66) Stainless Steel Front Bezel
- 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
- SVGA (800 x 600) Resolution, Optional XGA (1024 x 768)
- 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

Display

10.4" XGA TFT LCD

Resolution

XGA , 1024 x 768

Brightness

1000 nits (cd/m²)

Optically Bonded

Yes. Optical bonding increases contrast in high direct light and adds to shock and vibration tolerance

Processor

Intel Atom N270 1.6GHz

Optional: T4500 2.30 GHz 800MHz FSB

Intel Dual Core, Intel Core i3 or i5

Processor

BIOS

Phoenix-Award PnP Flash BIOS

Ethernet

Realtek 8111B PCIe 10/100/1000 base-T Ethernet

O/S

Windows XP Professional (optional)

Windows Embedded Standard or

Windows 7)

Hard Drive

320GB hard drive (optional SSD and extended temperature drive available),

Hard Drives also Available up to 1TB

System Memory

2 GB 200-pin SDDR2 667MHz SO-DIMM

Chip Set

Intel 945GME + Intel ICH7M

Display Interface

Graphics Chipset: Integrated with

Intel® Graphics Media Accelerator 950

Interface: CRT support up to 2048 x

1536, LVDS support 18/36 bit up to

1600 x 1200

Power Input

90-240V AC

Optional:

9 to 32V DC

I/O Ports

4 USB ports

1 VGA

3 RS232 serial ports

Temperature

Operational: -10° to 60°C (14 to 140F)

Storage: -40° to 65°C (-40 to 149F)

Humidity

Operational: 10 to 90% RH NC

Storage: 5 to 95% RH NC

Touch Screen

Resistive

Display Construction

NEMA 4X (IP66) - 316 Stainless Steel

Front Bezel

Approximate Shipping Dimensions and Weight

20" x 17" x 10" (WxLxH) / 16lbs.

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



CONTACT

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OPTIONS

- T4500 2.30 GHz 800MHz FSB Intel Dual Core, Intel Core i3 or i5 Processor
- Optional 4GB DDR2 PC2-5300 SO-DIMM System Memory (only in conjunction with the Dual Core processor)
- Hard Drive expandable to 1TB
- Solid state SATA hard drive
- Dual Hard Drive Support
- Single PCIe 16 or Dual PCI (full length)
- CANbus
- Windows Embedded or Windows 7 (32 or 64 Bit)
- NEMA 4 (IP65) Front Panel
- Touch Screen: Capacitive or Armor Touch
- Wireless Connection
- Fanless Design
- XGA (1024 x 768) Resolution
- 12VDC, 24VDC, or 9 to 36VDC

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