

VTPC104VSHB



VARTECH SYSTEMS INC.

Solutions for Demanding Applications

10.4" Sunlight Readable Fully-Enclosed NEMA 4X (IP66) VESA Mount LCD Monitor and Computer



The VTPC104VSHB is ideal for high light or harsh weather applications. It is designed as an all-in-one computing platform with a resistive touch screen HMI.

Rugged

The VTPC104VSHB system easily handles harsh computing environments. Its proven tough in real world applications such as industrial production areas, outdoor kiosks and public terminals. The VTPC104VSHB chassis has no external vents, so nothing can get under its skin, including dust, dirt, moisture, oil, chemicals or other harsh contaminants.

FEATURES

- ◆ **Bottom Exit Input Connectors**
- ◆ LED Backlighting, Sunlight Readable 800 nits (cd/m2)
- ◆ SVGA (800 x 600) Resolution
- ◆ Intel® Atom™ N270, 1.6 GHz Processor
- ◆ 2GB RAM
- ◆ Windows XP Pro OS
- ◆ Resistive touch screen
- ◆ Extremely Wide Temperature Ranges
- ◆ Industrial single-board computer
- ◆ NEMA 4X (IP66) sealed enclosure
- ◆ Water proof and dust proof
- ◆ Stainless steel (316) construction

SPECIFICATIONS

- **True High Brightness** (800 nits cd/m2) Low-Power, high reliability Solid State LED Backlighting
- **SVGA** (800 x 600) Resolution Wide Operational
- **CPU:** Intel® Atom™ N270, 1.6 GHz Processor with a 533 Mhz FSB
- **System Memory:** 2GB DDR2 533 SO-DIMM
- **Disk Drive:** 320GB SATA
- **Operating System:** Windows XP Pro (optional Windows Embedded Standard or Windows 7)
- **Ultra-Wide Viewing Angles**
- **Optical Stack Enhancement (OSE)**
Unique optical design which boosts efficiency of the backlight's light utilization and minimizes the surface reflection of ambient light. The result is a transmissive enhancement that features higher contrast and a wider range of colors, even in bright outdoor light, than traditional reflective LCDs.
- **Wide Operational Temperatures:** -10°C to +50°C (-20°C to +70°C optional)
- **I/O Interface Connectors:**
 - 1 Power
 - 1 LAN
 - 1 RS-232
 - 1 USB
 - Another USB or a Serial port
- **Contrast Ratio:** 800 to 1
- **Environmental Design:** NEMA 4X (IP66)
- **VESA Mountable** (100mm) 316 Stainless Steel Gasket Sealed Enclosure
- **EMI/EMC:** Designed to meet FCC Class B
- **Weight:** 16 lb.
- **Dimensions:**
12.5" (W) x 14.37" (H) x 4.32" (D)
Height is 10.50" when not allowing for connections at bottom
- **Resistive Touch Screen**
Optional: VarTech's Armor Touch - 3mm Thermally Strengthened Laminated Glass Substrate Optically Bonded overlay with Anti-Reflective Field & UV Protection:
 - Integrated with a very durable vacuum deposited antireflective optical coating which is designed to meet industry standards such as SAE AMS-2521 and MIL-C-675
 - High Accuracy
 - 12 bit Resolution
 - Resistance to contamination, unaffected by harsh cleaning fluids and other noxious substances
 - Image Stability, not susceptible to problems caused by high-level short-term variances and axis linearity and drift
 - External environments - unaffected by dirt, moisture and rain

Marks of Conformity:

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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OPTIONAL

- Armor Touch Ultra Rugged Touch Screen
- Solid State Hard Drive
- -20°C to +70°C Operating Temperature
- Optional Hood Visor
- Shock: Designed to meet MIL-S-901D
- Vibration: Designed to meet MIL-STD-167
- Designed to meet Marine IEC 60529
- Designed to meet Marine IEC 60945
- EMI/EMC: Designed to meet MIL-STD-461E
- Environment: Designed to meet MIL-STD-810F
- Windows Embedded Standard or Windows 7