



Solutions for Demanding Applications

10.4" Sunlight Readable Fully-Enclosed NEMA 4 (IP65) VESA Mount LCD Monitor and Computer

The VTPC104VHBR is ideal for direct sunlight or harsh weather applications. It is designed as an all-in-one computing platform with an resistive touch screen HMI.

Rugged

The VTPC104VHBR system easily handles harsh computing environments. Its proven tough in real world applications such as industrial production areas, outdoor kiosks and public terminals. The VTPC104VHBR chassis has no external vents, so nothing can get under its skin, including dust, dirt, moisture, oil, chemicals or other harsh contaminants.

FEATURES

- ◆ Rear Exit Cable Connectors
- ◆ LED Backlighting, Sunlight Readable 800 nits
- ◆ 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 4 (IP65) sealed enclosure
- ◆ Water proof and dust proof

SPECIFICATIONS

- **True High Brightness** (800 nits) 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
- **Brightness:** 800 nits
- **Contrast Ratio:** 800 to 1

- **VESA Mountable** (100mm) Gasket Sealed Enclosure
- **EMI/EMC:** Designed to meet FCC Class B
- **Environmental Design:** NEMA 4 (IP65)
- **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

CONTACT

HEADQUARTERS

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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



OPTIONAL

- Armor Touch Ultra Rugged Touch Screen
- Solid State Hard Drive
- -20°C to +70°C Operating Temperature
- 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
- NEMA 4X Stainless Steel Enclosure
- Windows Embedded Standard or Windows 7
- XGA (1024 x 768) Resolution