



## VTPC104PHBX

The VTPC104PHBX is a 10.4", LED enhanced panel PC. It is constructed to withstand the rigors of military use, especially naval vessels. The LED enhanced screen comes complete with an optically bonded front panel to reduce glare and further increase the structural integrity of the unit. The bonding also eliminates the possibility of moisture build up behind the front glass that is common in marine environments.



## FEATURES

- ◆ Military Grade Panel PC with 10.4 XGA LCD
- ◆ Sunlight Readable LED Enhanced High Bright Backlighting
- ◆ 900 nits (cd/m<sup>2</sup>)
- ◆ VBOND Optically Bonded
- ◆ -10° to 70°C
- ◆ Designed to Meet Several MIL-STD specifications
- ◆ ArmorTouch ultra rugged resistive touch screen

## SPECIFICATIONS

### Display

10.4" XGA TFT LCD

### Resolution

XGA , 1024 x 768

### Brightness

900 nits (cd/m<sup>2</sup>)

### Optically Bonded

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

### Processor

733 MHz WinSystems processor with wide temperature range of -40°C to +85°C

### System Memory

512MB

### I/O Ports

- > Male DB50 style connector for internal PCM-MIO TTL I/O
- > Male DB37 style connector that contains analog to digital input connections and power for the unit.
- > Four DB9 style connectors for COM ports: COM1 and COM2 are configured as a male RS-485 interface and COM3 and COM4 are configured as a female RS-232 interface
- > Two USB ports
- > Two Standard RJ45 Ethernet ports

### Removable Storage

1GB Flash card that is accessible and removable from the side of the HMI

### Power

24-28 volt DC connection

### Temperature

Operational: -10° to 50°C

### Touch Screen

VarTech's Armor Touch - 3mm Thermally Strengthened Laminated Glass Substrate Optically Bonded overlay with Anti-Reflective Field & UV Protection

### Display Construction

NEMA 4 (IP65) - Black Powder Coat Aluminum Front Bezel

### Designed to Meet

- MIL-STD 901D grade A
- MIL-STD 167-1 4 to 15 HZ
- MIL-STD 740-2 10 to 20k
- MIL-STD 461E RE101, RE102, & RS105
- MIL-STD 1472F

## CONTACT

### HEADQUARTERS

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## OPTIONS

- Supports IDE and Flash drives

### 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



**Specs subject to change without notice. Please inquire before ordering.**