

VTPC084P2



VARTECH SYSTEMS INC.

Solutions for Demanding Applications



8.4" NEMA 4 (IP65) Panel Mount LCD Touch Screen Computer

This NEMA 4 (IP65) 8.4" Fanless Panel Mount LCD touch screen computer system offers a compact design and is ideal for a variety of industrial process control and outdoor environments requiring a NEMA 4 (IP65) panel mount SVGA resolution (XGA Optional). The computer boasts Intel's Atom™ Z510P 1.1GHz processor, 2GB of memory and 1 x CompactFlash Type II slot & 2 x SD slots. The 8.4" Panel PC is also available with VarTech's NEMA 4X (IP66) 316 stainless steel beveled bezel.

FEATURES

- 8.4" SVGA Resolution Bright Active Matrix TFT Display
- SVGA: 650 nits (cd/m2) / XGA: 400 nits (cd/m2)
- Fanless Design
- Powered by Ultra low power processor Intel Atom Z510P 1.1GHz
- 2GB DDR2 Onboard Memory
- Supports Compact Flash
- 320 GB SATA Fast Access Disk Drive, Optional Hard Drives Expandable to 1TB
- NEMA 4 (IP65) - Black Powder Coat Aluminum Front Bezel
- Resistive Touch Screen Standard (other technologies available)
- Various Operating Systems are available (call for details)
- Windows Embedded Operating System Standard
- 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
- Wide Operational Temperature Range, -10°C to +50°C (14°F to +122°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 Size

8.4 Inch

Panel Type

Bright Active Matrix TFT Display

Resolution Capabilities

SVGA (XGA optional)

Native Pixel Format

800 x 600 (1024 x 768 optional)

Pixel Pitch

SVGA - 0.213 mm x 0.213 mm | XGA - 0.1665 mm x 0.1665 mm

Viewing Angle

SVGA - Left 80°, Right 80° | Up 80°, Down 60°
XGA - Left 85°, Right 85° | Up 85°, Down 85°

Response Time

25ms

Backlight

50,000 hrs (CCFL)

Video Input

Analog 0.7V p-p

Sync

Separate H&V, Combined, SOG

Power Source

12VDC **Optional:** 90-264VAC Universal or 9-36 VDC

Temperature

Operating: -10° to 50°C (14° to 122°F)
Storage: -20 to 60°C (-4° to 140°F)

Humidity

Operating: 10 to 95%NC/ Storage: 10 to 95%NC

Altitude

Operating: up to 10,000 ft, Storage: up to 40,000 ft

Stud Size & Screw Length

10-32 x 1/2"

Dimensions

10.624" (W) x 8.939" (H) x 4.255" (D) / 269.8mm (W) x 227.1mm (H) x 108.08mm (D)

Cut Out Dimensions

9.375" (w) x 7.875" (h) / 238.13mm x 200.03mm

Active Display Area

6.780" (w) x 5.160" (h) / 172.21mm x 131.06mm

Bezel Finish

NEMA 4: Black Powder Coat Aluminum **Optional NEMA 4X:** 316 Stainless Steel

Touchscreen

Optional: Resistive or Capacitive

Touch Interface

Serial or USB

CONTACT

HEADQUARTERS

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International

001.225.298.0300
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E-mail

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Website

www.vartechsystems.com

OPTIONS

- Solid state SATA hard drive
- Various Operating Systems Available, including: Windows XP Embedded, CE, and Linux
- VBOND Optical Bonding for added Shock & Vibration protection and/or reduced solar reflectivity
- NEMA 4X (IP66) Front Panel
- Touch Screen: Capacitive, Resistive or Armor Touch
- XGA (1024 x 768) Resolution
- 1500 nits (cd/m²) Sunlight Readable LCD
- 12VDC, 24VDC, or 9 to 36VDC

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ISO
9001:2008
REGISTERED



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SPECIFICATIONS cont.

Processor

Intel® Atom™ Z510P 1.1GHz

Chipset

Intel® US15WP

System Memory

1GB DDR2 onboard memory

USB

4 x USB

Serial Port

2 x RS-232

Audio

1 x mic in, 1 x speaker out

Wireless (Optional)

802.11b/g mini PCIe module

Storage Device

1 x 2.5" SATA 320GB HDD (supports 1 x CompactFlash™ as well)

Ethernet

1 x 10/100/1000Mbps

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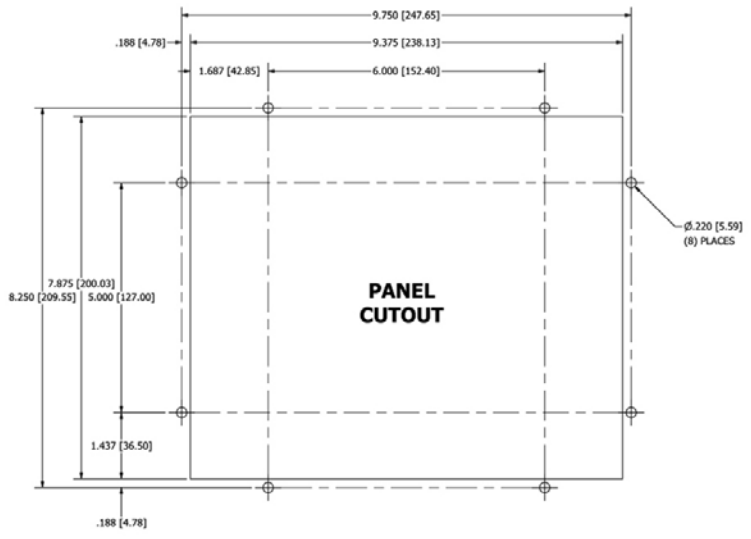
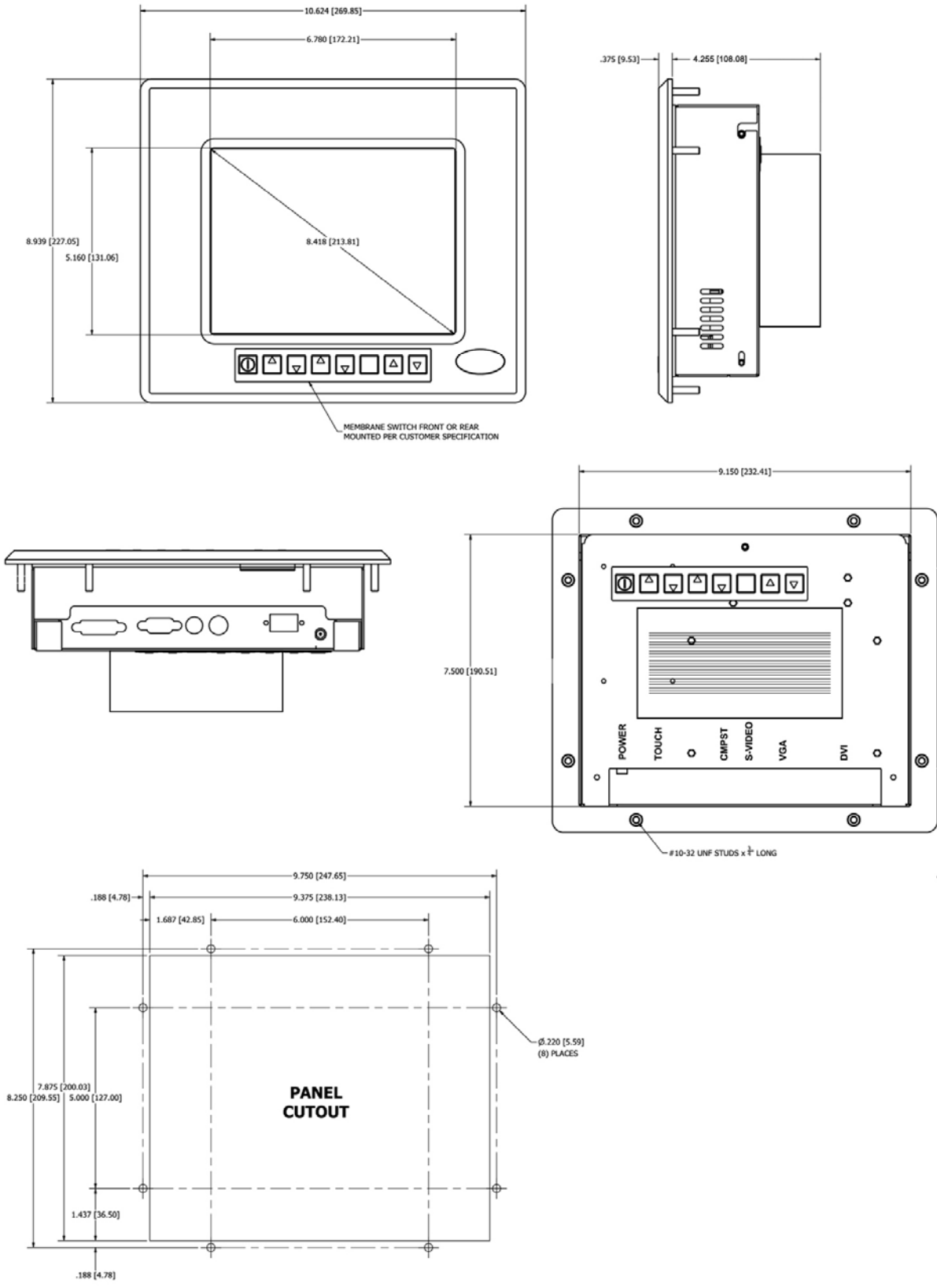
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Mechanical Drawing



DRAWN	4/27/2010		
DESIGNED			
CHECKED		TITLE	
QA		OUTLINE DRAWING-VTPC084P2	
PMG		SIZE TOLERANCES DWG NO	
APPROVED		D .XX = .015 .XXX = .005	601-0350
USED ON		SCALE 1:1	REV 0
APPLICATION		SHEET 1 OF 1	