

ITP-070

The World's first Panel Computer
based on the new Intel®/Marvell XScale® Monahans Processor



Features

- 7" WVGA Super Bright TFT Touchscreen
- Integrated Power over Ethernet (PoE)
- Powerful PXA320 (Monahans) 806MHz CPU
- Low power, high performance cold running system
- All-aluminum sealed
- Waterproof conforming IP-65 standard
- No moving parts, no ventilation holes

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Technical Specifications

Processor

Type: Intel XScale® PXA270/PXA320 (32Bit)
Speed: 312, 520 and 806 MHz¹

Memory RAM

64 MB SDRAM (32 bit) for PXA270
128 MB DDR (32 bit) for PXA320

On-board Flash

32 MB NOR Flash (32 bit) for PXA270
64 MB NAND Flash (16 bit) for PXA320

Display

Display Technology: WVGA TFT
Touch Technology: Resistive Type, 4-Wire
Screen Size: 7" Wide WVGA
Native Resolution: 800x480 (Color 18Bit)
Contrast Ratio: 200:1
Brightness: up to 600 cd/m²

Inputs and Outputs

Network: 1 x RJ-45 100Base-TX (POE opt.)
USB Ports: 2 x 1.1 Compliant (Host/Client)
Serial Ports: 2 x UART (RS-232)
Audio: 2 x Line In/Out Stereo Jack (3.5 mm)
MicroSD Card Slot: 1 x Push-push type
Power On/Off: 1 x Miniature rocker switch
DC-in: 1 x Power Jack

Storage

Type: MicroSD/SD Card Memory
Capacity: 32MB up to 4GB

Power

Power requirements: 18-30 VDC, 10 Watt
Connector: Power Jack
Optional: Power-over-Ethernet (POE)

Software

Operating System: Microsoft® Windows® CE 5.0, real time OS (Core license included)
Linux solutions provided on request.
Supplied Software: Image Flash Updater, WebServer, FileServer, Terminal Services Client (RDP), Internet Explorer, E-mail client, Wordpad, Media Player, Power Point/PDF file/Image Viewer. For a complete listing of software contact us.

Development Environment

Microsoft® Visual Studio 2003/2005
Microsoft® eMbedded Visual C++ 4.0
.NET Compact Framework 2.0
SQL Server 2005 Mobile Edition

Optional Accessories

Desk stand /Wall mount (VESA 75 standard)
Serial adapter cable (RJ48-DB9)

Optional Features

Embedded speaker and microphone
Embedded Infrared Motion Sensor
Wireless 802.11b/g
Bluetooth
Integrated iButton/1-Wire Reader

Future Features

CAN Interface
Multi-function GPIOs (I²C,PWM,SSP)
Lithium-ion Powerfail Battery

User Environment

Operating Temperature: 0°C to 50°C
Storage Temperature: -25°C to 70°C
Humidity: 5% to 80% (noncondensing)

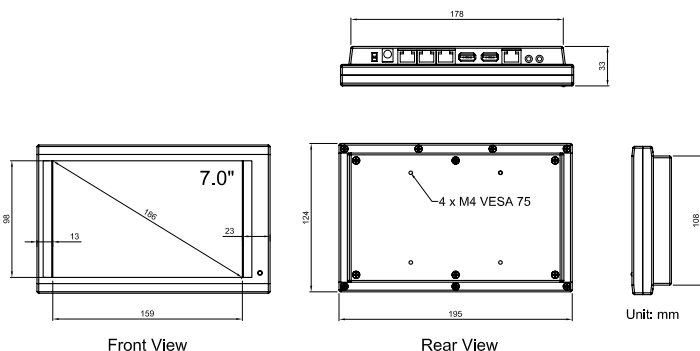
Physical Characteristics

Dimensions: 124(H) x 195(W) x 33(D) mm
Weight: 1.9 lbs/0.85 kg (typical)
Color: Silver

Service and Warranty Information

Limited Warranty: 1 Year Limited Warranty³
Telephone Support: 1 Year Technical Assistance
Email Support: support@contendosystems.com

1. MHz denotes microprocessor internal clock speed; other factors may affect application performance.
2. Viewable area measured diagonally.
3. See actual limited warranty for details. For a copy of the warranty, please visit www.contendosystems.com.



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