

## HMI Panel PC Panel PC

Configuration Number: BASE CONFIG  
SL-PPC-12-E3845



(full size images available on web site)

**Can be Long Lead Time- Please Call for Current Status**

### Type:

- Fanless Panel PC
- **Screen:**
  - 12" 5-Wire Resistive, Native
  - Resolution: 1024 x 768, Front Panel
  - Rating: IP65

### Motherboard:

- Featuring Intel ATOM SoC and Intel Atom E3845 Processor (1.91GHz Quad Core) TDP 10W
- **Video:** 1x HDMI
- **Audio:** Onboard Audio
- **Ports:**
  - 1x USB 2.0 Port( 1 Rear )
  - 1x USB 3.2 Gen 1 Port( 1 Rear )
  - 1x COM Port (RS232/422/485 Rear)
  - See specifications for more ports
- **Operating Temperature:** -20°C to 60°C (-4°F to 140°F)

### Configuration summary:

- **Memory:** 4GB DDR3 1333MHz SODIMM RAM
- **Hard Drive:** 250GB SSD SATA 6.0Gb/s 560/530MB/s 2.5" - Samsung 870 EVO
- **Power Supply:** Wide Voltage +12V ~ +26V. Included 100 ~ 240Vac/ 50 ~ 60Hz Output: 60W Adapter (12V @ 5A Adapter)
- **Operating System:** Not Included -
- **Warranty:** One-Year Depot Warranty

# Technical Specifications

## MotherBoard Specifications:

### Motherboard Model

- Motherboard Type: Panel
- Fanless

### Supported CPU

- Number of Processors: 1
- Processor Type: Embedded CPUs (ultra-low power, soldered down)
- Embedded CPU: Intel Atom E3845 Processor (1.91GHz Quad Core) TDP 10W

### Chipset

- Chipset: Intel ATOM SoC

### Memory

- Memory Type: DDR3 1333MHz
- Memory Type: Non-ECC
- DIMMS: 1
- Maximum Memory: 8GB

### On Board Audio

- Audio Type: Onboard Audio

### On Board Video

- Video Chipset: Intel Valleyview SoC integrated Graphics
- Video on IO: 1x HDMI
- HDMI Out: 1

### LAN

- LAN Ports: 2
- LAN Chipset: Intel i210AT
- Second LAN Chipset: Intel i210AT
- Wireless LAN: No Integrated WLAN

### Drive Interface

- SATA II Ports (3GB): 1

### Mini PCIe

- mini PCIe
- mSATA
- half and/or full size mini PCIe card: full size
- Second mini PCIe
- 3G Data Support
- half and/or full size mini PCIe card: full size

### M.2 Slot Specs

## Display Specifications

### Display

- Screen Size (inches): 12
- Touch Type: 5-Wire Resistive
- Front Panel Rating: IP65
- Aspect Ratio: 4:3
- Native Display Resolution: 1024 x 768
- Brightness (nits): 500
- Display Area (H): 9.60"
- Display Area (V): 7.27"
- Aspect Ratio: 4:3
- DisplayColors: 16.2 M
- Contrast Ratio: 700:1
- Backlight: LED
- Viewing Angle(U) : 70
- Viewing Angle(D) : 70
- Viewing Angle(L) : 80
- Viewing Angle(R) : 80

### Mounting Options

- Mounting Options: VESA 75mm x 75mm, VESA 100mm x 100mm, Other options sold separately
- Suggested Cut-Out Dimension (Width): 266mm
- Suggested Cut-Out Dimension (Height): 193mm

### Physical

- Width: 283mm
- Height: 222mm
- Depth: 45mm
- Depth (Inches): 1.75
- Unboxed Weight: 6.5lbs
- Shipping Weight: 8.5lbs

### Environmental

- MTBF: 50000hours
- Maximum Operating Temperature: 60C
- Low Operating Temp: -20C
- High Humidity: 90%
- Storage Temp (High): 70C
- Storage Temp (Low): -30C
- Storage Humidity (High): 90%

### Power

- Power Supply: Accepts 12VDC, 100-240VAC/12VDC 5A 60W External Power

**Rear IO**

- USB 2.0 Ports (on IO): 1
- USB 3.2 Gen 1 Type A Ports (on IO): 1
- Serial 232/422/485 Ports: 1
- Audio on IO

**Management Features**

- Watch Dog

**Environmental**

- Operating Temperature: -20°C to 60°C (-4°F to 140°F )
- High Humidity: 90%

**Operating System Support**

- Windows 7 Ultimate (64-bit)
- Windows 7 Pro (32-bit)
- Windows 7 Pro (64-bit)
- Windows 7 Pro (FES) 32-Bit
- Windows 7 Pro (FES) 64-Bit
- Windows 7 PRO (FES) DGS 32-BIT
- Windows 7 PRO (FES) DGS 64-BIT
- Windows Embedded 7 (32-Bit)
- Windows Embedded 7 (64-Bit)
- Windows Embedded 8 (32-bit)
- Windows Embedded 8 (64-bit)
- Windows 8.1 (32-bit)
- Windows 8.1 (64-bit)
- Windows 8.1 Pro (32-bit)
- Windows 8.1 Pro (64-bit)
- Windows 10 Home (64 Bit)
- Windows 10 Pro (64-Bit)
- Windows 10 IoT Entry
- Windows 10 IoT Entry 2019 LTSC

**Compliance of Component**

- CE
- FCC

**Warranty of Component**

- Motherboard Warranty: 1 Year

Adapter included

- Power Consumption (on): 60Watts

**Compliance of Component**

- CE
- FCC

**Warranty**

- Warranty: 1 year

**Other**

- Built-in Chassis Power Supply: Wide Voltage +12V ~ +26V. Included 100 ~ 240Vac/ 50 ~ 60Hz Output: 60W Adapter (12V @ 5A Adapter)

**Chassis Specifications:****General**

- Form Factor: Panel PC
- Color: Black
- Material: Metal/Aluminum
- Material Thickness: 1mm

**Front Ports**

- USB 2.0 Ports (Front): 1
- USB 3.2 Ports (Front): 1

#### **Physical**

- Depth: 45mm
- Depth (Inches): 1.75
- Width: 283mm
- Height: 222mm
- Shipping Box - Depth: 4"
- Shipping Box - Width: 15"
- Shipping Box - Height: 14.70"
- Shipping Weight: 8.5lbs

#### **Power**

- Built-in Chassis Power Supply: Wide Voltage +12V  
~ +26V. Included 100 ~ 240Vac/ 50 ~ 60Hz  
Output: 60W Adapter (12V @ 5A Adapter)



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