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:** -20ºC to 60ºC (-4ºF to 140ºF)

Configuration summary:

- **Memory:** 4GB DDR3L 1600MHz SODIMM RAM 1.35V
- **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: -20ºC to 60ºC (-4ºF to 140ºF)
- 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

Chassis Specifications:

General

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

Front Ports

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)

- 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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