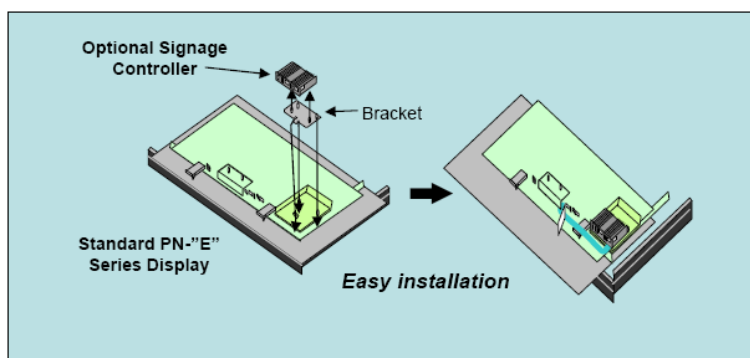


New Product Preview

PN-TPC1 Optional Signage Controller for use with Sharp PN-E™ Series LCD Display Monitors



The PN-TPC1 is a full-featured High Definition PC based upon NVIDIA® ION™ architecture. Targeted for Commercial applications including Digital Signage, the PN-TPC1 has been optimized for reliable 1080p video playback. The PN-TPC1 includes a 60 day trial version of the Sharp® SDSS™ Digital Signage Software pre-loaded on the hard disk. It also has the flexibility to run most third party software and custom applications.

The PN-TPC1 supports true 1080p video with hardware assisted support for formats such as MPEG2, H.264, and WM9. The PN-TPC1 was designed with display integration in mind and features a full complement of video outputs including HDMI®, DVI, and VGA. The unit also includes an RS232 port for display control and a custom mounting bracket specially designed to attach behind a Sharp PN-E™ series professional monitor. The PN-TPC1's all metal chassis and small form factor make it ideal for commercial applications requiring a powerful yet compact PC.

Specifications

Chipset: NVIDIA® MCP7A-ION™ Series

Size: Mini-ITX form factor. Case: 7.5" x 7.4" x 1.75"

Microprocessor support: Intel® ATOM™ N330 CPU (onboard). Support for 533 MT/s (533MHz FSB)

Operating systems: Supports Windows® XP® 32bit/64bit and Windows Vista® 32bit/64bit; Supports Linux®. Windows XP Pro SP3 installed

Software Installed: Sharp Digital Signage Software (SDSS) – 60 day evaluation; Microsoft Internet Explorer; Microsoft PowerPoint Viewer; Windows Media Player; QuickTime Player; Adobe Flash Player Plug-in

System Memory support: Supports DDRII667/800. Supports up to 4GB (2GB installed – both slots occupied and need to remove the current memory modules to upgrade.)

USB 2.0 Ports: Supports hot plug and play. Six USB 2.0 ports (rear panel ports); four from onboard USB headers. Supports USB 2.0 protocol up to 480 Mbps transmission rate

Hard Disk Drive: 2.5" 160GB

Onboard Serial ATA II: Independent DMA operation on four ports; onboard SATA header; rear panel e-SATA. Data transfer rates of 3GB/s.

On board RTL8211 CL Gigabit LAN: Supports 10/100/1000M bps operation

Onboard Audio: Azalia High-Definition audio; supports 6-channel ; supports jack sensing function (under Windows)

Green Function: Supports ACPI (Advanced Configuration and Power Interface). RTC timer to power-on the system; AC power failure recovery.

Onboard Graphics Support: Integrated 300MHz DAC for analog displays with resolutions up to 1920x1440 at 75Hz. Integrated GeForce® 9400m GPU, Supports DX10. VGA / DVI / HDMI® output support (Dual Header capable)

Integrated HDMI Interface with HDCP: Supports DVI or HDMI 1.3 interfaces. Secure digital audio merged from integrated HDA codec with no external audio signals required. Support for HDCP 1.3 using soft or hard HDCP keys. HDCP encryption support when configured as DVI or HDMI link without the need for external HDCP key crypto ROM

Dual Head Display Controller: Full NVIDIA nView™ multi-display technology capability with independent display controllers. Each controller can drive same or different display contents to different resolutions and refresh rates.

Expansion Slots: One Mini PCI Express slot. (Optional WiFi module must occupy this slot if ordered)

Environmental: Operating Temperature: 0° to 40° C. Operating Humidity: 80% maximum relative humidity, non-condensing

Power: Input Voltage: 19V 4.7A. Power Dissipation: 30 Watts

Package Contents: Technovare PN-TPC1PC, AC Power Adapter, Mounting Kit, User's Guide.

Limited Warranty: 3 Years Parts and Labor. Please refer to warranty statement included with product, or as PDF download at www.sharpsusa.com

New Product Preview

PN-ZB01 Optional Expansion Board for use with Sharp PN-E™ Series LCD Display Monitors

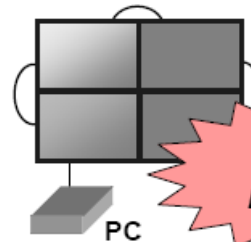
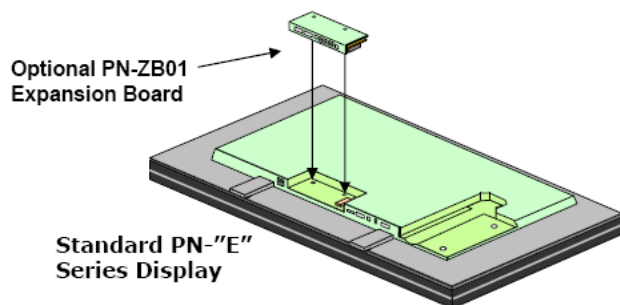


The PN-ZB01 Optional Interface Board expands the available input/output terminals of Sharp PN-“E” Series LCD Display Monitors to meet a wider range of customer applications. The PN-ZB01 additionally permits DVI Daisy Chain for easy and effective video walls (with the thin bezel design of the PN-“E” series displays).

The Sharp PN-E601, PN-E5201, PN-E471 and PN-E421 LCD Display Monitors offer the following standard input/output terminals: HDMI® Input, D-Sub 15-Pin Analog RGB Input, Stereo Audio Input (3.5mm), Stereo Audio Line Output (pair RCA pin-type), RS-232C Serial Control Input/Output

The PN-ZB01 Optional expansion Board adds the following Input/Output Terminals: DVI-D Input/Output, 5 -BNC Analog RGB Input, Component Video Input, S-Video Input, Composite Video Input (BNC), Two Stereo Audio Inputs (pair RCA pin-type x 2), RJ-45 LAN Control Output, Stereo Speaker Output (10 Watts x 2)

Package Contents: PN-ZB01 Expansion Board, Operation Manual, Mounting Screws, Labels



The PN-ZB01, in conjunction with thin bezel PN-“E” series LCD monitors and a DVI source, permits the displays to be daisy-chained for video wall applications.

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