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4250 Series LCD Touch Screen Monitor

Large Format Interactive LCD

Display Werks Part #4250-TU-PNE421-4D, Based on the Sharp PN-E421

- 42" LCD Touch Screen.
- Authorized Integrator of the 3M™ DST (Dispersive Signal Technology) Touch System.
- Supports multiple video inputs.
- 1920 x 1080 High Resolution.
- USA Service and Technical Support.
- Touch Screen Integrated within Factory Enclosure.
- 24/7 Reliability.
- Optional Signage Controller /HD Output PC. *
- Optional I/O Board expands the Input / Output Terminals. *
- 3 Year Warranty (Monitor).
- 3 Year Warranty (Touch Screen and Controller).



* See www.sharpsusa.com for additional specifications.

LCD Monitor Model: Sharp PN-E421

LCD Element: 42" diagonal LCD.

Native Resolution: 1920 x 1080

Dot Pitch: 0.4845mm

Max. Colors: 1,064 Million colors (Quasi 10 bit)

Display Response Time: 8ms

Viewing Angle: 178° right/left/up/down

Screen Active Area: inch (mm) 36.625 x 20.625 (930.3 x 523.9)

Contrast Ratio: 3000:1

Brightness: 700 cd/m2 (before touch screen)

Power Requirements: 100-240V AC 50/60Hz

Operating Temperature: 0°C to 40° C

Operating Humidity: 20% to 80% (no condensation)

Fan: Fan-less Architecture Allows for 24/7 reliability.

Power Consumption: 200W with sound 195W without sound.

Dimensions: inch (mm) Approx. 38.3 x 22.3 x 5.22 (972.8 x 566.4 x 132.5) with Touch Screen Installed.

Speakers: Yes (10W+10W).

Weight lbs.: (kg) Approx. 54.5 lbs (24.7) with integrated Touch Screen installed.

SHARP

Display Werks is a Sharp authorized integrator.

MicroTouch

3M

Display Werks is an authorized 3M™ DST system integrator.

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Standard Terminals		Optional Expansion Board Terminals	
HDMI (Standard)	HDMI	DVI-D Input / Output	DVI-D
RGB (Standard)	Mini D Sub 15Pin x 1	Analog RGB	5 BNC
Stereo Audio (Standard)	3.5 mm	Component Input	
Stereo Audio Line Out	Pair RCA Pin Type	S-video	
Serial RS232C Input / Output	Mini D Sub 15Pin x 1	2 Stereo Inputs	Pair RCS pin-type X2
		LAN Control Output	RJ-45
		Stereo Speaker Output	10 Watts X 2
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Sharp 4250 PN-E421 Rev A DST

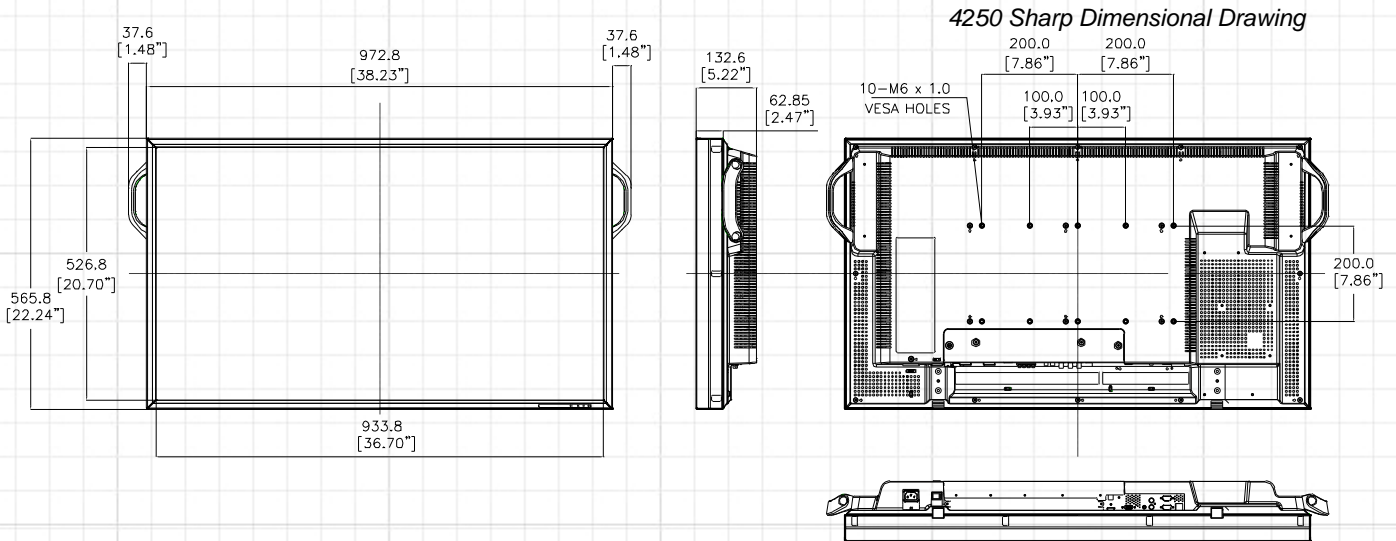
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3M™ DST (Dispersive Signal Technology) Touch Screen Specifications:

- **Total additional weight to monitor:** 6.0 lbs.
- **Construction:** Glass chemically-strengthened anti-glare substrate.
- **Input Method:** Finger and stylus input.
- **Positional Accuracy:** Reported coordinates are within 1.0% of true position (based on viewing area dimensions)
- **Light Transmission:** Up to 92%.
- **Operating Temperature:** -15°C to 90°C
- **Minimum Touch Impact:** 50 mN.s (milli-newton seconds), the equivalent of a very light touch.
- **Response Time:** 20 ms for tap input.
- **Expected Life Performance:** No known wear-out mechanism, as there are no layers, coating, or moving parts.
- **Total Additional Depth to Sharp PN-E421:** 1/4"
- **Surface Obstructions:** Withstands surface contaminants such as dirt, dust and grime.

Touch screen Controller Specifications:

- **Dual Interface:** USB or RS232 Serial (specify when ordering).
- **Maximum Single USB Cable Length:** 5m (16.4 ft)

Note: Distances over 5m using USB can be achieved by using a USB extension system.

Note: Power for the LCD monitor itself requires a connection to a 110 VAC receptacle. In addition, the Sharp 4750 series DST touch screen monitors require an external power supply to drive the integrated touch screen controller. This small form factor 110 VAC to 5Vdc power supply is included with every Sharp 4250 series DST touch screen monitor.