



The Future of the Smart Meeting Room is Here!

Imagine comfortable business meetings with better space utilization, more productive collaboration and minimal setup. It's now possible through the Windows collaboration display from Sharp!

The system includes a next-generation 70" Class (69.5" diagonal) PN-CD701 4K Ultra HD display, built-in microphone arrays, integrated high-quality video conference camera with 4K sensor and IoT sensor hub that works seamlessly with Microsoft 365 collaboration tools. It's all backed by the cloud to deliver outstanding ease of use and enable the continual analysis of meeting room conditions and usage.



Here are a few of its many features:

- **Easy plug and play:** Save up to 10 minutes* by simply entering a room and plugging in a laptop computer via USB-C cable. The connector provides high-speed, high-bandwidth data transfer for multiple functions, including 4K Video, internet network and application data. In addition, a wireless casing allows Windows and Android devices to share information as well.
- **Connect and collaborate using Microsoft Teams:** The Windows collaboration display is Skype for Business certified. It offers high-quality audio and video and provides optimal ways to connect and collaborate using the power and productivity of Microsoft 365 at room scale.** Using Microsoft Teams, it can provide a complete chat, notes, attachments and online meetings solution that allows everyone to feel as if they are in the same room, even when working remotely.
- **Create a smarter building environment:** Creating a comfortable environment in the meeting room pays real dividends in terms of helping people concentrate and improve productivity. Synappx™ WorkSpaces is a cloud-based analytics subscription solution that provides organizations insight into the environmental conditions within their meeting spaces and how the technology is being used. By combining the Windows collaboration display from Sharp with Microsoft Azure® and Microsoft Office 365®, Synappx WorkSpaces provides a rich analytics picture of the occupancy, temperature, light and air quality, to organizations without costly infrastructure investments or complex enterprise software development initiatives.

Learn more at <https://business.sharppusa.com/windows-collaboration-display>

*Total Economic Impact™ Study, Forrester Consulting, February 2016. <https://smarterhq.com/forrester-total-economic-impact-study>

**The mentioned software and services are available as an additional purchase and are not included in shipping with the Windows collaboration display from Sharp.

Specifications

General

Installation	
PN-CD701	Landscape

LCD Panel

70" Class (69.5" diagonal) UV ¹ A ¹ LCD	
Max. resolution	3,840 x 2,160 pixels
Max. display colours (approx.)	1.06 billion colors
Pixel pitch (H x V)	0.401 x 0.401 mm
Max. brightness (average) ²	350 cd/m ²
Contrast ratio	4,000 : 1
Viewing angle (H/V)	176°/176° (CR >10)
Active screen area (W x H)	1,538.9 x 865.6 mm
Response time	6 ms (gray to gray, avg.)
Backlight	W-LED, edge lit

Touchscreen

Touch technology	Projected Capacitive (PCAP) touch
Direct optically bonded	Yes
Palm reject	Yes
PC connection port	USB (2.0) Type B x1, USB Type C x2
Power supply	Supplied from main unit
Multi touch	10 points
Protection glass	Thickness: approx. 1.9 mm ³ Shock resistance: 130 cm ⁴

Pen

Passive touch pen	Standard with the Windows collaboration display
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Wireless Casting

Wireless communication method	2.4 GHz, IEEE802.11 b/g/n; 5 GHz, IEEE802.11 a/n/ac
Supported devices	Windows and Android

Computer Input

Video	HDMI™ x 1, USB Type C (DP Alt Mode) x2
Plug & play	Yes
Power management	Yes
Input/Output terminals	
Top	USB (3.0) Type A x2 (1 for camera) SPDIF-In x1 (for camera)

Side	USB (3.0 compliant) Type A x2 LAN port (External Gb Ethernet) x1 AUDIO LINE-OUT (3.5mm-diameter mini stereo jack) x1 LAN port (Internal Gb Ethernet) x1 USB (2.0 compliant, Internal storage expansion) Type A x1 USB Type C (DP Alt Mode) Output x1
Service Port	USB (2.0 compliant) Type A x1 UART TX/RX port (3.5mm-diameter mini jack) x1
Speaker output	
Built-in	12 W + 12 W
Power supply	100V - 240V / AC 50/60Hz
Power consumption	370W max
Environmental conditions	
Operating temperature	41°F to 95°F / 5°C to 35°C
Operating humidity	20% to 80% RH (no condensation)
Dimensions (W x D x H) (display only)	63-29/32" x 3-17/32" x 38-7/16
Weight (display only)	143.3lbs / 65kg
Main accessories	AC power cord, battery, set-up manual, USB Type C (DP Alt Mode) compliant cable (8.0 m), HDMI cable, USB touchback cable, passive touch pen

Unified Communications

Output connector	USB (3.0) Type A
Camera resolution	4K UHD (up to 3840x2160 pixels) sensor supporting high quality, low noise video at 30fps
Camera field of view	120°
Microphone	Array microphone x 4
Sound collecting distance	13 - 20 ft

IoT Sensor Hub

Output connector	USB (2.0) Type A
AI camera	
Resolution	1,920 x 1,080 @30 fps
Color space	YUY2, MJPG
Field of view	74.8°
Motion sensor	
Sensor type	Microwave
Detection area	140°(Horizontal) / 70° (Vertical) 0dB level
Light sensor	
Selectable LUX ranges	128/256/512/1024/2048
Processing	50/60Hz flicker noise and IR rejection
Air quality sensor	
Gas types	eCO2, TVOC
Temperature humidity sensor	
Temperature range	-40°F to 212°F / -40°C to +100°C
RH range	0% - 100%



¹ UVA stands for Ultraviolet-induced Multi-domain Vertical Alignment, a photo-alignment technology that ensures uniform alignment of liquid crystal molecules. ² Brightness depends on input mode and other picture settings. Brightness level will decrease slightly over the lifetime of the product. Due to the physical limitations of the equipment, it is not possible to maintain a precisely constant level of brightness. ³ Including AG film on the front and AR film on the back. ⁴ Approximate distance at which the glass panel can withstand the impact of a 500-gram iron ball dropped on its center. ⁵ Use a commercially available connection cable for PC and other video connections.



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