HD CTL 100

WORKSPACE CONTROLLER

The Extron HD CTL 100 is a low-cost, easy-to-use workspace controller designed for automated display control in small meeting rooms and huddle spaces. It offers effortless Plug and Play automation, with no remotes to lose and no buttons to press. When an active signal is connected to the HDMI input, the HD CTL 100 automatically turns on the display and selects the correct input via CEC control. For further flexibility, the unit easily integrates with the Extron OCS 100 occupancy sensor to automatically power the system on when users enter the room.

▶ **Easy automation for the modern workspace:**
  – Plug and Play
  – No remotes to lose
  – No buttons to press

▶ **Automated display control via unidirectional RS-232, IR, or CEC**

▶ **Supports computer and video resolutions up to 4K/60 @ 4:4:4**

▶ **Fully-configurable using HD CTL 100 Software**

▶ **Four digital I/O ports**

▶ **24 V DC output to power devices such as occupancy sensors**

▶ **One HDMI input port and one HDMI output port**

▶ **CEC – Consumer Electronics Control capability**
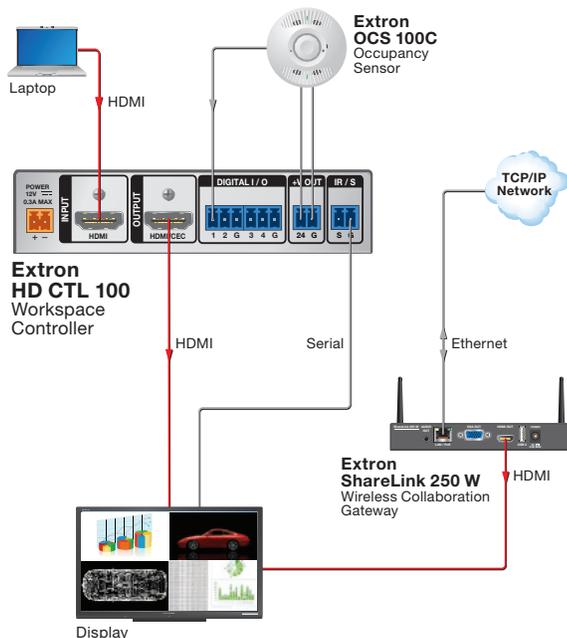
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DESCRIPTION

The **HD CTL 100** is designed for low-cost, effortless collaboration in small meeting rooms and huddle spaces, and is fully operational out of the box. The meeting space controller automatically powers a display on via CEC – Consumer Electronics Control when the presenter connects a source device. When finished and no signal is detected, the display will power off after a predetermined time period.

For further flexibility, the unit easily integrates with the Extron OCS 100 occupancy sensor to automatically power the system on when users enter the room. Connecting a ShareLink wireless collaboration gateway adds support for wireless BYOD convenience, providing effective collaboration and content sharing from a wide variety of mobile devices.

KEY FEATURES

▸ Automated display control via unidirectional RS-232, IR, or CEC

▸ Supports computer and video resolutions up to 4K/60 @ 4:4:4

▸ Four digital I/O ports

▸ 24 V DC output to power devices such as occupancy sensors

▸ One HDMI input port and one HDMI output port

APPLICATION DIAGRAM

Laptop

HDMI

Extron OCS 100C
Occupancy Sensor

Extron HD CTL 100
Workspace Controller

TCP/IP Network

HDMI   Serial   Ethernet

Extron ShareLink 250 W
Wireless Collaboration Gateway

HDMI

Display

SPECIFICATIONS

TRUE 4K SPECIFICATION

Max. 4K Capabilities		
Resolution and Refresh Rate	Chroma Sampling	Max Bit Depth per Color
4096 x 2160 at 60 Hz 3840 x 2160 at 60 Hz 4096 x 2160 at 30 Hz 3840 x 2160 at 30 Hz	4:4:4	8 bit
		12 bit
4096 x 2160 at 60 Hz 3840 x 2160 at 60 Hz	4:2:0	

Frame rate[1]	24, 25, 30, 50, or 60 fps
Chroma sampling[1]	4:4:4, 4:2:2, or 4:2:0
Color bit depth[1]	8, 10, or 12 bits per color
Signal type	HDMI 2.0
Max. video data rate	18 Gbps (6 Gbps per color)

NOTE: [1]Subject to the maximum data rate limit. Use our calculator (http://www.extron.com/product/videotools.aspx) to determine video parameters supported by this data rate.

CONTROL — IR/SERIAL CONTROL PORT	
IR/S control port	(1) 3.5 mm captive screw connector, 2 pole, for unidirectional (transmit only) RS-232 and IR control
CONTROL — CEC	
HDMI Connector	1 female HDMI, type A CEC control via pin 13
CONTROL — DIGITAL INPUTS AND OUTPUTS	
Number/type	4 digital inputs/outputs (configurable)
+V OUTPUT	
+24 V output port	(1) 3.5 mm captive screw connector, 2 pole
COMMUNICATION — CONFIGURATION PORT	
USB configuration port	1 female USB mini B, front panel
VIDEO	
HDMI input	1 female HDMI, type A
HDMI output	1 female HDMI, type A
GENERAL	
Power supply	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 0.5 A, 6 watts
Mounting	
Rack mount	Yes, with optional 1U rack shelf
Furniture mount	Yes, with optional under-desk mounting kit
Enclosure type	Metal
Enclosure dimensions	1.0" H x 4.3" (quarter rack) W x 3.0" D (25 mm H x 109 mm W x 76 mm D)
Regulatory compliance	CE, c-UL, UL, PSE, RoHs, and WEEE UL listed for use in plenum air handling spaces: meets UL 2043 for heat and smoke release.
Product warranty	3 years parts and labor
Everlast power supply warranty	7 years parts and labor

NOTE: All nominal levels are at ±10%.

Model	Version Description	Part number
HD CTL 100	Workspace Controller	60-1633-01

For complete specifications, please go to www.extron.com
Specifications are subject to change without notice.

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