

# ShareLink 250 Series

## WIRELESS COLLABORATION GATEWAY

Transforms any room into a  
wireless collaboration space

- ▶ Wirelessly share content from laptops, tablets, and smartphones
- ▶ Integrated dual band wireless access point - ShareLink 250 W only
- ▶ Provides full screen mirroring for Apple iOS devices
- ▶ Dropbox, Google Drive, iCloud, and OneDrive integration provides easy access to content stored in the cloud
- ▶ Collaboration mode allows anyone to display content
- ▶ Moderator mode ensures only approved content is displayed
- ▶ WebShare™ technology enables attendees to view content on personal devices via a Web browser



ShareLink 250 W



ShareLink 200 N



**Extron Electronics**  
INTERFACING, SWITCHING AND CONTROL

# Introduction

The Extron **ShareLink 250 Series** Wireless Collaboration Gateway enables anyone to present content from a laptop, smartphone, or tablet on a display, transforming any meeting room into a collaboration space. ShareLink™ technology supports simultaneous display of slides, documents, graphs, and photos from up to four devices without needing a cable. It is compatible with Windows® and OS X® computers as well as Apple® and Android™ smartphones and tablets. It also includes a moderator mode to ensure only approved content is displayed. In spaces with sight line concerns, slides can be viewed on personal devices via a Web browser. The professional capabilities of the ShareLink 250 Series provides easy integration of mobile devices into meeting and huddle rooms, collaborative spaces, and presentation environments.

## Share Content Wirelessly

Designed for Bring Your Own Device - BYOD environments, the gateway is available in two models. The ShareLink 250 W includes an integrated, dual band wireless access point - WAP. Users connect directly to the unit via Wi-Fi, or a Gigabit Ethernet port provides a wired connection. The ShareLink 250 W is ideal for creating a standalone wireless collaboration system or adding wireless capabilities to a wired solution.

The ShareLink 200 N does not include a WAP, and works in concert with a facility's existing wireless network. Users connect to the room's WAP via Wi-Fi to access the unit through its Gigabit Ethernet port, which provides the same user experience as the wireless model.

An image, document, or slide show presentation, from a single personal device is shown full screen or in one of four windows. The MirrorOp® for Extron ShareLink™ app enables wireless connection of a mobile device via the Wi-Fi network. This application is free and available for download from the App Store® or Google Play™ store.

The ShareLink 250 Series also supports mirroring of iOS devices from the iPad or iPhone Control Center.

Windows or OS X computers access the ShareLink 250 Series unit via a wired or wireless network connection. The user enters the IP address of the unit into a Web browser to run or install the ShareLink software. The user can also run the client application directly from a USB flash drive without installing software onto the computer. The application enables sharing images, documents, and presentations, as well as full-motion video at 30 fps.

## Ideal for Collaboration

The default collaboration mode allows any attendee to easily send content to the display and control the presentation. This can enhance interaction during brainstorming sessions, team meetings, group studies, and other collaborative environments.

## Moderated Presentation

The ShareLink 250 Series offers a moderator mode for centralized control over device access and presentation. The moderator decides which users can access the display and how the content is presented, ensuring only approved content is displayed. This mode is ideal for educational environments, allowing the instructor to have complete control of the presentation on the main classroom display.

## Share Content across Multiple Displays

The ShareLink 250 Series offers the ability to enable a Windows or OS X computer to communicate with multiple ShareLink 250 Series units on a network. The technology allows a computer to send the same content to as many as four displays. This is useful for larger spaces with multiple displays or adjacent rooms used for overflow.

## Enables a Secure Connection

The ShareLink 250 Series features security authentication consisting of randomly generated or user-defined security codes to ensure only approved devices can share content. The 802.11b/g/n wireless access point in the Sharelink 250 W lets users share content via mobile devices, while the wired Ethernet connection provides connections for the internal customer network. This configuration maintains the security of the private network while allowing guests access to the public network.

## Convenience of Power over Ethernet

Each ShareLink unit can be powered locally using the included power supply or remotely over the Ethernet connection. By using Power over Ethernet – PoE, only one network cable is needed in order to accommodate data and power requirements.



# Features

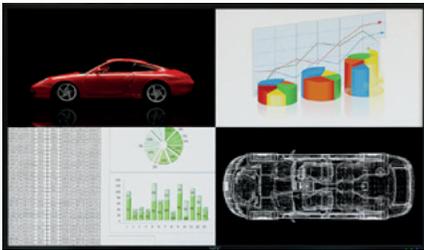
## Wirelessly share content from laptops or personal mobile devices

Allows users to connect a wide variety of devices to the system wirelessly or through a wired LAN connection.

## Supports Microsoft Windows® and OS X® computers as well as Apple® and Android™ smartphones and tablets

## Provides full screen mirroring for Apple iOS devices

Display the entire screen of your iPhone or iPad through the wireless collaboration gateway.



## Simultaneous content display from up to four different personal devices

Fosters collaboration and discussion by displaying multiple sources, and eliminates the need to constantly change among content sources in team environments.

### Works with these cloud services



## Dropbox, Google Drive, iCloud, and OneDrive integration within the MirrorOp for Extron ShareLink app allows easy access to content stored in the cloud

## Collaboration mode allows any attendee to display content and control the presentation

Enables content display from any connected device to enhance interactivity in brainstorming sessions, team meetings, and other collaborative environments.

## Includes user-friendly software for screen mirroring, advanced control, and configuration

## Moderator mode ensures only approved content is displayed

Enables the moderator to select which users can access the display and how the content is displayed.

## Content sharing from a computer to as many as four ShareLink 250 Series units on the network

Allows a Windows or OS X computer to send content to multiple ShareLink 250 Series units on the network, supporting up to four displays.

## Full-motion video playback from laptops

Enables display of media from a Windows or OS X computer at up to 30 fps for a smooth viewing experience. The computer can use a wired or wireless connection.

## Displays content directly from a USB flash drive

Enables presentation of slides, documents, graphics, images, and video files stored on a USB flash drive without requiring a laptop or computer. USB ports also support connection of HID devices such as a keyboard or mouse.

## Remote control of the ShareLink 200 USB Player over the network

An Extron IPCP Pro control processor can be used to select and control playback of content stored on a USB flash drive plugged into a ShareLink 250 Series unit.

## Security codes ensure content is delivered only to the selected display devices

Randomly generated or user-defined security authentication codes prevent unintentional sharing or display of content within adjacent spaces.

## WebShare™ technology enables attendees to view slide images on personal devices via a Web browser

The ShareLink 250 Series enables meeting content to be displayed on a participant's mobile device. This is ideal for attendees who cannot easily view the main display.

## Power over Ethernet, or PoE, eliminates the need for a local power supply

Offers easy installation, reduced labor, and fewer devices to install. Data and power are delivered over the single cable.

## Gigabit Ethernet

Provides a high-speed data link to a network or the Internet for fast and easy access to the Web or other network resources.

## Wireless model includes an integrated, dual band wireless access point at 2.4 GHz or 5 GHz - ShareLink 250 W

Offers a local connection point for attendees, enabling segmentation of guest and private networks.

## Network-only model connects to an existing wireless network - ShareLink 200 N

Leverages an existing wireless network infrastructure for the connection of mobile devices.

## Three USB ports for peripheral support

Allows connection of a USB keyboard or mouse, and enables simple annotation capabilities with touch-sensitive devices.

## HDMI and VGA video outputs

Offers flexibility to work with digital and analog display devices or a system switcher to easily add wireless capabilities to existing video systems.

## SNMP support for remote monitoring

Supports network monitoring for the operational health of network-attached devices.

## Plenum rated - meets UL 2043 for heat and smoke release

## Front-mounted antennas for easy rack installation - ShareLink 250 W model

Ensures the best possible reception of wireless signals. Antennas pivot for simplified installation behind a flat panel display.

## Compatible with Extron mounting solutions

Easy mounting with Extron low-profile and under-desk mounts, under-table kits, and rack-shelf options.

## 1" (2.5 cm) high, three-eighths rack width metal enclosure

Compact, low profile enclosure allows discreet installation within a lectern or behind a flat panel display.

## Energy-efficient, external universal power supply included

# Intuitive User Interface

## Welcome Screen

At power up, the ShareLink 250 Series displays the welcome screen on the main presentation display. The upper portion of the screen includes a graphic with simple instructions for connecting personal devices to the system. It enables users to quickly connect and share content from laptop or desktop computers as well as mobile phones and tablets. The Welcome Screen can easily be customized to display a corporate or university logo or other image to meet the needs of an organization.



The lower portion of the welcome screen provides important information for accessing the system, including the IP address, Wi-Fi name or SSID, and the security code. It also includes a tools menu to enable presenting content directly from a USB flash drive, using the display as an interactive whiteboard, or resizing the display.

## Wireless Connection for Content Sharing

The MirrorOp® for Extron ShareLink™ app enables wireless connection of the mobile device. Dropbox®, Google Drive™, iCloud®, and OneDrive™ integration within the app provides easy access to content stored in the cloud. The app is free and available for download from the iTunes® App Store or Google Play®. The ShareLink 250 Series also supports mirroring of iOS devices from the iPad or iPhone Control Center.



## Presentation from a USB Flash Drive

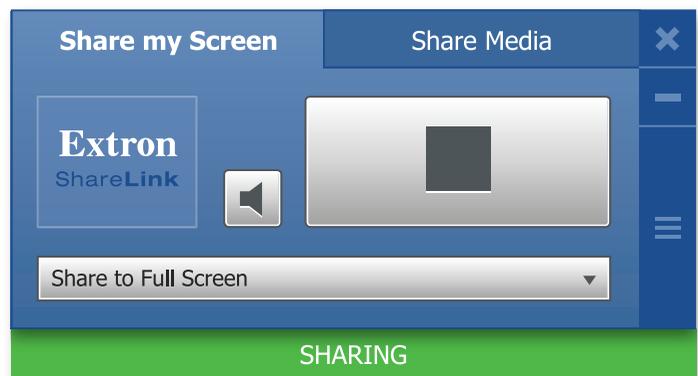
An easy-to-use on-screen display enables content selection and playback from a USB flash drive. The USB flash drive, along with a mouse or keyboard, is plugged directly into any of the three USB ports on the ShareLink 250 Series. The USB Player can also be controlled over the network with an Extron IPCP Pro control processor.

## Computer Software

The ShareLink software offers an intuitive user interface for simplified operation by non-technical users. With this software, any content that is on the computer screen can be mirrored to the display. The easy-to-use menu provides playback control, visible indication of sharing status, and display options from full screen to placing the image in any one of four windows on the main display. A second tab enables selection and control of content stored locally on the computer, including image, video, and audio files.

## Share Content Wirelessly

Whether presenting or sharing BYOD content from a laptop, flash drive, tablet, or smartphone, the ShareLink 250 Series ensures easy integration of personal devices into professional AV systems for huddle rooms, interactive collaborative spaces, and larger presentation environments.



The ShareLink software offers an intuitive user interface.

# Overview

## Power over Ethernet – PoE

The ShareLink 250 Series can be powered by a PoE connection, eliminating the need for a local power supply.

## Front-mounted antennas for easy rack installation - ShareLink 250 W only

Front-mounted antennas provide an unobstructed access for optimal reception.

## Gigabit Ethernet port

High-speed data link for accessing the Internet or other network resources.

## USB ports on front and rear panels

Provides easy access for a keyboard or mouse, and enables simple annotation capabilities.

## Compact, low profile enclosure

The 1" (2.5 cm) enclosure can be rack mounted or discreetly installed behind a flat panel display.

## Integrated dual band wireless access point at 2.4 GHz or 5 GHz - ShareLink 250 W only

Offers a local connection point for attendees and enables segmentation of guest and private networks.

## Stereo audio output

Line-level audio output connects to the room audio system.

## HDMI and VGA video outputs

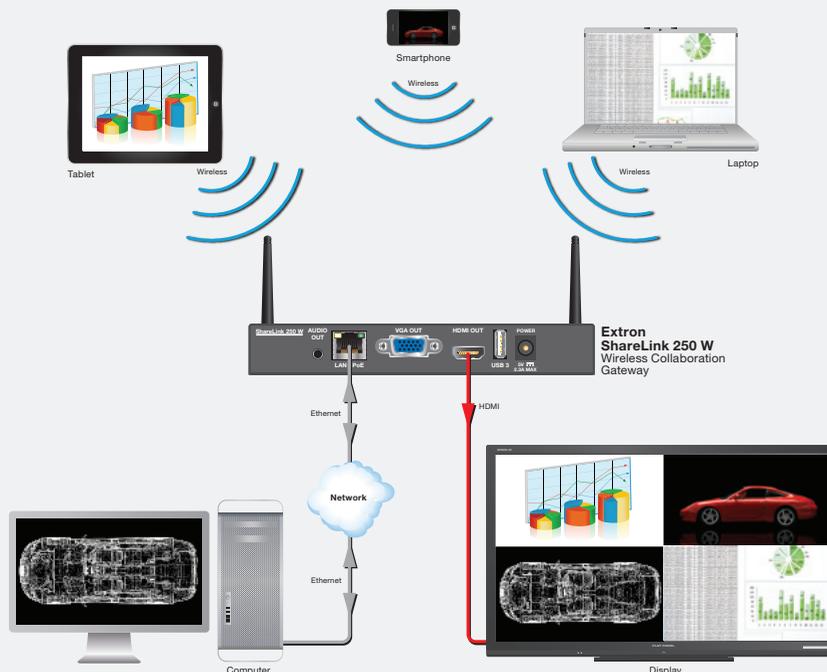
The ShareLink 250 Series supports displays and AV systems with digital and analog inputs.

## Pivoting antennas - ShareLink 250 W only

The antennas can be repositioned to accommodate multiple mounting options, such as vertical mounting behind a flat panel display.



## APPLICATION DIAGRAM



# Specifications

## SOFTWARE AND CONTROL OPTIONS

<b>Software</b>	ShareLink™ Software
Operating systems	Windows® 7/8/10, Mac® OS X (10.7-10.11)
Supported formats	
Video file formats	MP4, MPG, MPEG, AVI, MOV, MKV, WMV
Audio file formats	MP3, WAV, WMA, AAC
Image file formats	JPG, BMP, PNG, GIF
Supported codecs	
Video codecs	MPEG-2, MPEG-4 (Microsoft® MPEG-4 v1-3 is not supported), Motion JPEG, WMV9 (only WMV3/WVC1 is supported)
Audio codecs	LPCM, AAC, MP3, WMA
Image codecs	JPG, BMP, PNG, GIF

## Mobile apps

MirrorOp® for Extron ShareLink	
Operating systems	Apple® iOS 7.0 or later, Android™ 4.0 or later
Supported formats	Image file formats: JPEG, PNG Document file formats: Microsoft Word (.doc, .docx), PowerPoint (.ppt, .pptx), Excel (.xls, .xlsx); Keynote for iOS (.key) (iOS only); PDF
MirrorOp Sender for Galaxy	
Operating system	Android 4.0 or later
Control function	Full mirroring of device screen

## NETWORK CONNECTIVITY

### ShareLink 250 W only

Standards	IEEE 802.11 a/b/g/n 2.4 GHz/5 GHz
Security Encryption Standards	IEEE Standard 64/128 bit WEP, WPA PSK, WPA2 PSK, WPA Enterprise, WPA2 Enterprise

### ShareLink 250 W and ShareLink 200 N

Standards	IEEE 802.3 (10BASE-T), IEEE 802.3u (100BASE-TX), IEEE 802.3ab (1000BASE-T)
-----------	--

## VIDEO OUTPUT

<b>Number/signal type</b>	1 HDMI 1 RGBHV
<b>Output resolution</b>	800x600 @60Hz, 1024x768 @60Hz, 1280x720 @60Hz (720p) (default), 1280x768 @60Hz, 1280x800 @60Hz, 1360x768 @60Hz, 1440x900 @60Hz, 1600x1200 @60Hz, 1920x1080 @30Hz (1080i), 1920x1080 @60Hz (1080p)

## AUDIO OUTPUT

<b>Number/signal type</b>	1 digital, 2-channel PCM 1 analog stereo, unbalanced
---------------------------	---

## ETHERNET PORT

<b>Ethernet data rate</b>	10/100/1000Base-T, half/full duplex with autodetect
---------------------------	---

## USB PORTS

<b>Number/signal type</b>	3 high-speed USB 2.0
<b>Connectors</b>	3 USB type A connectors
<b>USB standards</b>	USB 2.0, USB 1.1, USB 1.0 compatible

## USB player feature

Supported formats	
Video file formats	MP4, MPG, MPEG, AVI, MOV, MKV, WMV
Audio file formats	MP3, WAV, WMA, AAC
Image file formats	JPG, BMP, PNG, GIF

Document file formats	Microsoft Word (.doc, .docx), PowerPoint (.ppt, .pptx), Excel (.xls, .xlsx); PDF
Supported codecs	
Video codecs	MPEG-2, MPEG-4 (Microsoft MPEG-4 v1-3 is not supported), Motion JPEG, WMV9 (only WMV3/WVC1 is supported)
Audio codecs	LPCM, AAC, MP3, WMA
Image codecs	JPG, BMP, PNG, GIF

## GENERAL

<b>Power supply</b>	External Input: 100-240 VAC, 50-60 Hz Output: 5 VDC, 2.6 A, 13 watts
<b>Power input requirements</b>	5 VDC or Power over Ethernet (PoE 802.3at, class 0)
<b>Power consumption</b>	
ShareLink 250 W	
Device and power supply	11.5 watts
ShareLink 200 N	
Device and power supply	11.8 watts
<b>Power over Ethernet (PoE)</b>	Complies with PoE 802.3at, class 0 (type 1)
<b>Cooling</b>	Convection, no vents
<b>Thermal dissipation</b>	
ShareLink 250 W	
Device and power supply	14.6 BTU/Hr
ShareLink 200 N	
Device and power supply	15.9 BTU/Hr
<b>Mounting</b>	
Rack mount	Yes, with optional 1U rack shelf
Furniture mount	Yes, with optional MBU 125 mounting kit
<b>Enclosure type</b>	Metal
<b>Enclosure dimensions</b>	1.0" H x 6.51" W x 3.3" D (1 inch high, 3/8th rack wide) (2.5 cm H x 16.5 cm W x 8.5 cm D) (Depth excludes connectors.)
<b>Product weight</b>	1.0 lb (0.5 kg)
<b>Regulatory compliance</b>	
Safety	UL, c-UL, CE UL Listed for use in plenum air handling spaces: meets UL 2043 for heat and smoke release
Environmental	Complies with the appropriate requirements of RoHS, WEEE
<b>Warranty</b>	3 years parts and labor

Model	Version Description	Part number
ShareLink 250 W US	Wireless Collaboration Gateway - Dual Band; US	60-1558-01
ShareLink 250 W EU	Wireless Collaboration Gateway - Dual Band; EU	60-1558-11
ShareLink 200 N	Collaboration Gateway - Network Version - no WAP	60-1508-02

## Mounting Hardware

Model	Version Description	Part number
HRB 109	1U Basic Half Rack Shelf, gray	60-1251-10
HRU 109	1U Universal Half Rack Shelf Kit, gray	60-1251-20
RSF 123	1U 3.5" Deep Rack Shelf Kit, Gray	60-190-20
RSB 123	1U 3.5" Deep Basic Rack Shelf, Gray	60-604-21
MBU 125	1U, 1/2 Rack Width Low-Profile Mount Kit	70-077-01
UTS 100	Primary Shelf, gray	70-1028-01
UTS 150	Secondary Shelf, gray	70-1028-02

For complete specifications, please go to [www.extron.com](http://www.extron.com)  
Specifications are subject to change without notice.

## WORLDWIDE SALES OFFICES

Anaheim • Raleigh • Silicon Valley • Dallas • New York • Washington, DC • Toronto • Mexico City • Paris • London • Frankfurt  
Madrid • Stockholm • Amersfoort • Moscow • Dubai • Johannesburg • Tel Aviv • Sydney • Melbourne  
New Delhi • Bangalore • Singapore • Seoul • Shanghai • Beijing • Hong Kong • Tokyo