

Cisco Smart+Connected Touchscreens for Property Developers



The Cisco® Smart+Connected 7" In-wall Display and Cisco Smart+Connected Portable Tablet for property developers provide simple and intuitive touchscreen interfaces for residents of Cisco Smart+Connected™ Communities. These Smart+Connected Touchscreens allow users to control lights, temperature, movies, music, and more inside the home while providing the means of communicating with the larger community. The Cisco Smart+Connected 7" In-wall Display is a stylish way to offer total control, it is mounted in the wall, where the user needs it most, such as next to the front door. The Cisco Smart+Connected Portable Tablet delivers always-on, dedicated system control in a sleek tablet form-factor; it works as a portable or a tabletop touchscreen for ultimate control and flexibility. Both touchscreens include a built-in microphone and camera for communicating with the Cisco Smart+Connected Video Door Station, for video conferencing with other touchscreens or tapping into additional services.

The Cisco In-wall Display can be mounted at convenient locations inside the dwelling, such as near the front door, kitchen or living room for easy access. The Cisco Portable Tablet goes anywhere within the home. For example, a Cisco In-wall Display mounted next to the front door provides access to home control and front door monitoring. Similarly, the Cisco Portable Tablet provides the same capabilities while being carried from room to room. The Portable Tablet, which comes with a docking station for charging and easy access, can be placed in a location such as the bedroom. When the resident is ready to go to sleep, a simple touch of a button can turn off the lights, reduce the temperature, and lock the doors.

Features and Benefits

Cisco Smart+Connected 7" In-wall Display



The Cisco Smart+Connected In-wall Display supports both Ethernet and Wi-Fi connectivity and can be securely mounted in any area of the dwelling to provide consistent and reliable network access. The Cisco In-wall Display also supports Power over Ethernet (PoE), allowing the device to receive power directly from the Ethernet cable, eliminating the need for a separate power connection. Features include:

- Sleek look and feel with edge-to-edge capacitive glass and low profile
- Four customizable buttons that allow one touch to set a scene (for example, a sleep scene that turns off the lights, reduces the temperature, and locks the doors)
- Flexible power (AC or Power over Ethernet) and network connectivity (Ethernet or Wi-Fi) options
- Integrated camera with full-motion video for high-quality audio and video communications with the Cisco Smart+Connected Video Door Station and Portable Tablet (Cisco Video Door Station must be purchased separately)
- Audio and video intercom functionality that provides communications between touchscreen units
- G.722 wideband audio intercom featuring beamforming microphones for crystal-clear communications

Cisco Smart+Connected Portable Tablet



The Cisco Smart+Connected Portable Tablet features full-motion video intercom and the fidelity of wideband audio for crystal-clear communications and control throughout the home. The Portable Tablet supports Wi-Fi networking and includes a docking station with built-in Ethernet connection that supports Power over Ethernet (PoE), allowing the device to receive power directly from the Ethernet cable while eliminating the need for a separate power connection. Features include:

- Easy configuration as a portable or as a tethered tabletop unit for flexible installation
- Integrated camera with full-motion video for high-quality video communications with the Cisco Smart+Connected Video Door Station and In-wall Display
- Integrated speakers and dual microphones with beamforming and G.722 wideband audio for uncompromised high-fidelity sound
- Audio and video intercom integration with other Cisco In-wall Displays and Portable Tablets installed in the dwelling
- Full-color, capacitive LCD touchscreen control, along with four programmable buttons, for convenient fingertip control
- Wired and wireless connections through Wireless-N and 10/100 Ethernet (through the docking station)
- Flexible power options with AC power supply adapter, Power over Ethernet (PoE), or internal battery

Supporting Products

The Cisco Smart+Connected Touchscreens are paired with Cisco Smart+Connected Controller(s) to manage the full suite of Smart+Connected Residential capabilities and services. The Cisco In-wall Display also requires a Back Box for installation. The type of Back Box is dependent on the specific project requirements. Table 1 lists the names and part numbers for these supporting products.

Table 1 Cisco Smart+Connected Residential Products Used with the Cisco In-Wall Display and Cisco Portable Tablet

Product Name	Part Number
Cisco Smart+Connected Controller 250	SCH-CONTROL-250
Cisco Smart+Connected Controller 800	SCH-CONTROL-800
Cisco Smart+Connected In-wall Back Box, New Construction (-PLS for Plastic or –MET for Metal)	SCH-NEWBB-XXX
Cisco Smart+Connected In-wall Back Box, Retrofit (-PLS for Plastic or –MET for Metal)	SCH-RTRBB-XXX

Product Specifications

Table 2 lists product specifications for Cisco Smart+Connected Touchscreen devices.

Table 2 Specifications for Cisco Smart+Connected Touchscreens

Product	Cisco Smart+Connected 7" In-wall Display	Cisco Smart+Connected Portable Tablet
Display		
Integrated camera	640 x 480 VGA 30 fps Min. lumination: 5 Lux Viewing angle: 60 degrees	640 x 480 VGA 30 fps Min. lumination: 5 Lux Viewing angle: 60 degrees
Display dimensions	7-inch TFT LCD	7-inch TFT LCD
Pixel resolution	800 x 480	800 x 480
Touchscreen	Capacitive touch	Capacitive touch
Programmable buttons	4	4
Intercom		
Microphone	Dual microphones Voice pick up from 10 feet away Beamforming	Dual microphones Voice pick up from 10 feet away Beamforming
Speaker	Internal	Internal
Video and audio	Full-duplex video (H.264) and audio (G.722)	Full-duplex video (H.264) and audio (G.722)
Communications		
Wi-Fi	Wireless-N (2.4-GHz 802.11n/g/b) RF frequency: 2.4 GHz Antenna: Internal Encryption: 64/128 Wired Equivalent Privacy (WEP), Temporal Key Integrity Protocol (TKIP)/Advanced Encryption Standard (AES) Authentication: Wi-Fi Protected Setup (WPS), WEP, Wi-Fi Protected Access (WPA), WPA2	Wireless-N (2.4-GHz 802.11n/g/b) RF frequency: 2.4 GHz Antenna: Internal Encryption: 64/128 WEP, TKIP/AES Authentication: WPS, WEP, WPA, WPA2
Ethernet	10/100 Base-T Ethernet RJ-45	10/100 Base-T Ethernet RJ-45
Power		
Power supply	PoE (IEEE 802.3af) AC 100V to 240V, 50 to 60 Hz	PoE (IEEE 802.3af) AC 100V to 240V, 50 to 60 Hz
Power over Ethernet (PoE)	Yes	Yes

Product	Cisco Smart+Connected 7" In-wall Display	Cisco Smart+Connected Portable Tablet
Battery		
Suspend mode	N/A	20 hours
Typical use	N/A	12 hours (default setting)
Charge time	N/A	6 hours
Other		
Audio	G.722 Wideband Audio	G.722 Wideband Audio
Environmental		
Operating temperature	32°F to 104°F (0°C to 40°C) Relative humidity: 95%	32°F to 104°F (0°C to 40°C) Relative humidity: 95%
Storage temperature	-4°F to 149°F (-20°C to 65°C)	-4°F to 149°F (-20°C to 65°C)
Buttons and Outputs		
Reset	Reset: Run a magnet from left to right along bottom of panel Restore Factory Defaults: Remove panel from wall, toggle the two-position switch behind the panel, remount panel on the wall. This will reset the display to default settings and may require the device to be updated in the project.	Recessed Button requires pin or paperclip. Reset: Push once Restore Factory Defaults: Push and hold 5 to 7 seconds. This will reset the tablet to default settings and may require the device to be updated in the project.
Dimensions		
W x H x D	4 7/8" x 1 1/8" x 7 1/4" (124mm x 29mm x 184mm)	7.5" x 5" x 0.75" (190.5 mm x 127 mm x 19.05 mm) not including charging dock
Mounting	In-wall	Portable or Tabletop

System Requirements

Cisco touchscreens must be paired with a Cisco Smart+Connected Controller, as described in Table 3.

Table 3 System Requirements

Product Name	System Requirements
Cisco Smart+Connected 7" In-wall Display	Cisco Smart+Connected Controller 250 or 800
Cisco Smart+Connected Portable Tablet	Cisco Smart+Connected Controller 250 or 800

Availability

The Cisco Smart+Connected Touchscreens are available to select property developers on a limited geographical basis. If you have an opportunity that could benefit from this solution, please contact your Cisco sales representative.

Warranty Information

Find warranty information on Cisco.com at the [Product Warranties](#) page.

Ordering Information

Cisco Smart+Connected Residential products are available through your Cisco authorized reseller.

Table 4 lists the ordering information.

Table 4 Ordering Information for Cisco Smart+Connected Touchscreen Devices

Product Name	Part Number
Cisco Smart+Connected 7" In-wall Display	SCH-7IN-TS (-W and -B)
Cisco Smart+Connected Portable Tablet	SCH-TABLET

Cisco Support

Cisco offers a wide range of support programs to accelerate customer success. These innovative programs are delivered through a unique combination of people, processes, tools, and partners, resulting in high levels of customer satisfaction. For more information, contact your Cisco sales representative.

For More Information

For more information about the Cisco Smart+Connected Residential products please contact your Cisco sales representative or visit: <http://www.cisco.com/go/smartconnectedresidential>.



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