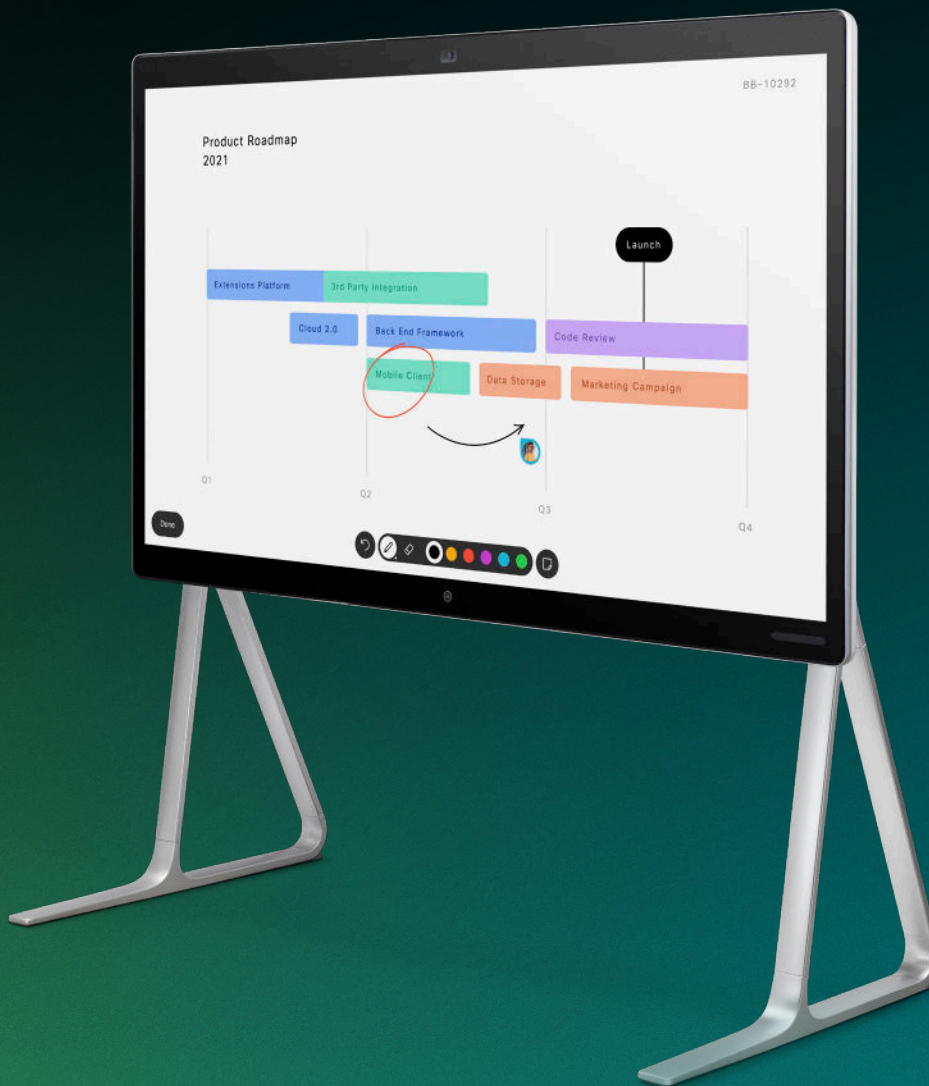


# Webex Board 85S



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The Webex® Board is an all-in-one device that provides everything you need to collaborate with your teams in physical meeting rooms. You can wirelessly present, whiteboard, and have video and audio calls. And it securely connects to your virtual teams through the Webex service or via your Webex App-enabled devices, so you can take your meetings and content on the road.

The Webex Board 85S\*, featuring an 85-inch LED screen, is designed for your largest collaboration spaces such as auditoriums, training spaces, and classrooms, where co-creation is the primary focus. The Webex Board portfolio is also available in 55- and 70-inch options to cover all of your collaboration needs from huddle space to the boardroom.

\* The latest hardware revision of the Webex Board family may be referred to as the S Series, representing minor optimization to the hardware platform. The product name remains the same, but the product ID reflects an addition of "S" to differentiate from the first revision for ordering purposes.



Figure 1. Webex Board 85 used for visual collaboration in a multi-screen environment

## Webex Board product overview

Webex Board revolutionizes the way we work by combining key requirements for team collaboration in the physical meeting room into a single device and connecting it to the cloud for continuous workflow. It's a wireless presentation screen, a digital whiteboard, and an audio and video conferencing system, all in one product. The Webex Board helps teams collaborate in physical meeting rooms, but also securely connects to virtual meeting spaces to facilitate continuous workflow before, during, and after everyone has left the physical conference room. The Webex Board draws its power from the Webex service, which combines meeting, messaging, calling, and whiteboarding capabilities on any Webex App-enabled device. Registration to the Webex cloud lets you store everything created on the Webex Board directly in the cloud and associate it to a virtual Webex App space, so you can take your work wherever you go. The Webex Board offers an integrated, secure, and comprehensive lifecycle approach to teamwork that is as yet unimagined, and thus superior, to any other solution on the market.

### Webex Board 85 – for your largest collaboration spaces

The Webex Board 85 is a fully self-contained system on a high-resolution 4K 85-inch LED screen. With an integrated 4K camera, embedded microphones, and a capacitive touch interface, the board brings intelligence, style, and usability to meeting rooms, from small to large. Designed with minimal wires for simplicity and elegance, Cisco's latest collaboration device allows wireless sharing and Wi-Fi connectivity. The system is also touch-based for easy and rich team collaboration.

Not only is the Webex Board beautiful to behold and effortless to use, it is also affordable to acquire and easy to install and deploy, so that it can be a fixture in your largest conference and training rooms. The Webex Board 85 also has a unique wheel-based packaging and transport frame that makes it easy to move and assemble. With wheels on three corners of the aluminum frame, the 220-pound Webex Board 85 can easily fit into standard elevators and doorways.

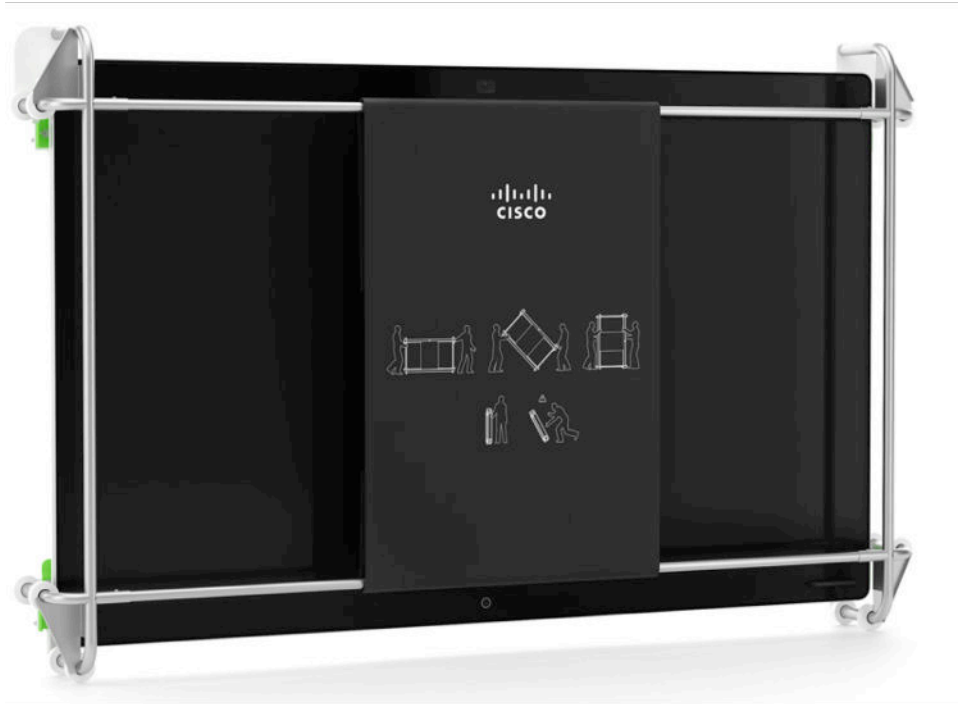


Figure 2. Webex Board 85 in new wheel-based packaging and transport frame

## Webex Board features and benefits

Table 1. Features and benefits

FEATURE	BENEFIT
<b>Wireless presentation</b>	<ul style="list-style-type: none"> <li>• No wires required to share a presentation, locally or remotely, from a laptop (HDMI available)</li> <li>• Share wirelessly from your Webex App</li> </ul>
<b>Digital whiteboard</b>	<ul style="list-style-type: none"> <li>• Easily whiteboard with the Webex Pen or your finger on the Webex Board and automatically save content to a Webex App space, or send whiteboards as email attachments directly from the board</li> <li>• Easily collaborate on a whiteboard in real time with remote participants on other Webex Boards or participants using the Webex App</li> <li>• Connect to whiteboarding capabilities on any Webex App</li> <li>• Annotate on shared content</li> <li>• An infinite canvas gives you unlimited workspace when whiteboarding</li> <li>• Meeting participants on devices that do not support native whiteboarding will see the whiteboard as standard presentation sharing</li> </ul>

Table 1. Features and benefits

FEATURE	BENEFIT
<b>Meetings</b>	<ul style="list-style-type: none"> <li>• Embedded camera, speakers, and microphones for high-quality video and audio conferencing</li> </ul>
<b>Digital signage</b>	<ul style="list-style-type: none"> <li>• A powerful web engine provides the ability to connect to a web-based backend, to automatically display information when the Webex Board is not in use</li> <li>• Content displayed in signage mode can be either static or interactive, giving users the option to interact with the content displayed</li> </ul>
<b>Industrial design</b>	<ul style="list-style-type: none"> <li>• Discreet built-in 4K camera is unimimidating and helps users feel comfortable when close to the screen</li> <li>• Built-in microphones and wireless sharing add to the clean, no-wire aesthetics</li> <li>• Fixed-lens camera uses an 83-degree-wide field of view to capture virtually the entire room</li> <li>• High-resolution 4K screen shows detailed content beautifully</li> </ul>
<b>Usability</b>	<ul style="list-style-type: none"> <li>• Easy-to-understand activity circles correspond to the basic activities and workflows that users need to get their work done</li> <li>• Intuitive navigation, such as a home button and touchscreen, is a staple of mobile devices and familiar to users</li> <li>• Consistent user interface and workflow across the Webex Board and Webex App reduce the user's learning curve</li> <li>• Familiar capacitive touch capability is the same as on smartphones and tablets, and allows for two-point multi-touch, which lets two people work on the board at the same time</li> <li>• Simplified meeting-join experience with One Button To Push (OBTP) enables fast meeting start and consistency with rest of Webex video devices</li> <li>• Support for hybrid phone book lets Webex Board search for both cloud- or premises-registered video devices for easy dialing, and allows premises-registered endpoints to search for Webex Boards</li> <li>• Add Cisco Touch 10 or Webex Room Navigator to allow even more flexibility in controlling the Webex Board</li> </ul>

Table 1. Features and benefits

FEATURE	BENEFIT
<b>Continuous workflow</b>	<ul style="list-style-type: none"> <li>• Cloud registration lets everything created on the Webex Board be stored directly and securely in the cloud and associated to a virtual Webex App space</li> <li>• Team members can pick up wherever they left off on the Webex Board when they leave the physical room; work can continue from a different location, time zone, or device, such as another Webex Board or any other Webex App on smartphones, tablets, and laptops</li> <li>• Webex Board and the Webex service together provide end-to-end encryption, so your communications and content are secure</li> </ul>
<b>Intelligent views</b>	<ul style="list-style-type: none"> <li>• Powerful 4K camera captures high-resolution image of virtually the entire room</li> <li>• Intelligent software algorithms enable automatic framing for best overview, which provides ideal framing to the far end</li> <li>• Powerful and intelligent ML capabilities for automatic people count and face recognition</li> </ul>
<b>Intelligent audio</b>	<ul style="list-style-type: none"> <li>• Built-in 12-microphone array amplifies sound quality – as if a microphone has been extended to each speaker</li> <li>• Automatically modulates the active speaker so that clear audio is delivered to the far end, whether the speaker is close to or far away from the Webex Board</li> <li>• No microphone wires to detract from the aesthetics of the Webex Board</li> <li>• Powerful microphones cover a room with 8 to 10 people</li> </ul>
<b>Intelligent proximity</b>	<p>Webex Proximity and ultrasound pairing technology enable the following:</p> <ul style="list-style-type: none"> <li>• Webex Board automatically wakes up when it detects a Webex App user enter the room and suggests an activity to choose from</li> <li>• Wireless sharing of documents from a laptop is enabled both within and outside of a conference call; connect seamlessly to personal and mobile devices using ultrasound (no need for dongles, adapters, typing in PINs, etc.)</li> <li>• Control of the Webex Board can be done through the Webex App device (make and disconnect calls, etc.)</li> </ul>

Table 1. Features and benefits

FEATURE	BENEFIT
<b>On-premises deployment</b>	<ul style="list-style-type: none"> <li>Webex Board is optimized for cloud deployments but can also register to on-premises infrastructure (Cisco UCM, Expressway™, or third-party SIP/H.323 call control). In an on-premises deployment, the Webex Board is limited to support audio and video conferencing, content sharing (wireless or HDMI), and local whiteboarding out of call</li> </ul>
<b>Cognitive collaboration</b>	<ul style="list-style-type: none"> <li>Includes AI-powered features that provide a frictionless meeting experience and contextual insights</li> <li>Webex Assistant is a voice-controlled assistant that lets you start or join your meeting, book a room, or make a call</li> <li>Facial recognition identifies meeting participants and provides name labels</li> <li>Automatic noise detection and suppression ensures the meeting is free of distracting background noise</li> </ul>

## Webex Board prominent features and differentiators

### The Power of the Webex Platform enables continuous teamwork

The Webex Board is revolutionary in its capability, usability, and design, and the ability to connect teams beyond the physical meeting room is a result of the power of the Webex platform. The consistency, simplicity, and reliability of experience across the Webex Board and other Webex App-enabled devices is made possible by these key features of the Webex platform:

- Cloud-based - The Webex Board is registered and delivered simply and securely with end-to-end encryption through Webex in the cloud and offered on a subscription basis, so you can add or update services automatically or on demand.
- App-based - Once they are shared or created on the Webex Board and associated with a Webex App virtual space, content and messages live persistently and can be accessed from any mobile device—laptop, smartphone, tablet—on the Webex App from wherever you are. This means work and knowledge can be

transferred seamlessly from one team member to the next, from one time zone to another.

- Activity-based - The capabilities you enjoy on the Webex Board—meeting, calling, messaging, and white boarding—are the same capabilities you will experience on any other Webex App-enabled personal device. You can start your work on the Webex Board and continue on your personal and mobile devices, or vice versa.

### An affordable way to purchase hardware

Webex Hardware as a Service provides a new way to purchase hardware with a simple, scalable and flexible way to pay. Stay up to date with the latest models of IP Phones and Webex Devices to enhance collaboration and create workspaces for the future. And get ready for all the power of Cisco's unified cloud platform!

[Learn more about Webex Hardware as a Service and the devices available.](#)

[Click here](#) to access the Webex Hardware as a Service data sheet.



# Webex Board platform support

Table 2. Platform support

PRODUCT FAMILY	PLATFORMS SUPPORTED
<b>Webex Board</b>	<ul style="list-style-type: none"> <li>• Activation and connection to Webex</li> <li>• Native registration with Cisco UCM or Expressway (from version 10.5.2 or later with device pack)*</li> <li>• Third-party H.323 gatekeepers and standards-based SIP proxies*</li> </ul>

# Webex Board 85 product specifications

Table 3. Product specifications

TYPE	SPECIFICATIONS
<b>Software</b>	<p>For cloud deployments - Webex Room OS, provisioned and updated by Webex</p> <p>For on-premises deployments - CE9.8 or later</p>
<b>Components</b>	<p>Fully integrated unit is delivered with:</p> <ul style="list-style-type: none"> <li>• Multi-touch 85-inch LED display</li> <li>• 4K camera</li> <li>• 12-microphone array</li> <li>• Speakers</li> <li>• Whiteboarding pen</li> </ul>
<b>Display</b>	<ul style="list-style-type: none"> <li>• Direct LED LCD - 85-inch 4K, 300 nits, 16:9</li> <li>• Viewing angle: +- 89 degrees (all directions)</li> <li>• Number of colors: 1.07 billion (10-bit)</li> <li>• Contrast: 1:4000</li> <li>• Response time: 6.5 ms</li> </ul>
<b>User interface</b>	<ul style="list-style-type: none"> <li>• Control the Webex Board from the touch screen</li> <li>• Capacitive touch screen with protective glass and optical bonding</li> <li>• Multi-touch</li> <li>• Optionally use Cisco Touch 10 control unit or Webex Room Navigator</li> </ul>

Table 3. Product specifications

TYPE	SPECIFICATIONS
<b>Inputs and outputs</b>	<ul style="list-style-type: none"> <li>• HDMI input</li> <li>• Home button</li> <li>• 3.5-mm mini jack audio out (line out)</li> <li>• USB-C for Touch Redirect</li> <li>• USB micro (service)</li> </ul>
<b>Camera overview</b>	<ul style="list-style-type: none"> <li>• Fixed lens, infinite focus</li> <li>• F-value: 2.8</li> <li>• 4Kp60</li> <li>• Horizontal Field Of View (HFOV): 83 degrees</li> <li>• Vertical Field Of View (VFOV): 55 degrees</li> <li>• Camera mounted tilted: -25 degrees</li> </ul>
<b>Audio system</b>	<ul style="list-style-type: none"> <li>• 12-element microphone array (with intelligent voice tracking)</li> <li>• Integrated voice-optimized speakers</li> </ul>
<b>Network</b>	<ul style="list-style-type: none"> <li>• Ethernet (RJ-45) 100/1000 Mbps</li> <li>• Wi-Fi 802.11a/b/g/n; 802.11ac (2.4 and 5 GHz) - Not available in Non-Radio versions</li> </ul> <p><b>Note:</b> Due to compliance regulations, it is required to enable 802.11d in access point for the product to operate properly within 5725 MHz – 5875 MHz.</p> <ul style="list-style-type: none"> <li>• As WiFi connection is used as a flexible option, Ethernet connection is always preferred for high performance.</li> <li>• IPv4 Dynamic Host Configuration Protocol (DHCP)/static</li> <li>• IPv6 (both static and stateless address auto-configuration)</li> <li>• Network Time Protocol (NTP)</li> <li>• HTTP(S) proxy support (for signaling, not media)</li> <li>• Inspecting TLS proxy supported</li> <li>• Cisco Discovery Protocol (CDP)</li> <li>• 802.1X network authentication (passphrase or X.509 client certificate)</li> <li>• 802.1Q virtual LAN</li> <li>• 802.1p (Quality of Service [QoS] and Class of Service [CoS])</li> </ul>
<b>User controls</b>	<ul style="list-style-type: none"> <li>• Control the Webex Board directly from the touchscreen or using the Webex App</li> <li>• Optionally use Cisco Touch 10 control unit or Webex Room Navigator</li> </ul>

Table 3. Product specifications

TYPE	SPECIFICATIONS
<b>Language support</b>	<ul style="list-style-type: none"> <li>• English, Spanish, German, French, French Canadian, Portuguese, Japanese, Czech, Danish, Dutch, Norwegian, Swedish, Latin American Spanish, Italian, Finnish, Polish, Turkish</li> <li>• Additional languages will be supported in future software releases</li> </ul>
<b>System management</b>	<ul style="list-style-type: none"> <li>• For cloud deployments - Webex Board is managed in the administrator Webex Control Hub, giving system status and overview, activation, configuration, metrics, and troubleshooting</li> <li>• For on-premises deployments, Webex Board can be managed with Cisco UCM or Expressway</li> </ul>
<b>System requirements for cloud deployments</b>	<ul style="list-style-type: none"> <li>• Webex Board is connected to the Webex cloud service using RESTful APIs. Communication with other Webex Boards, the Webex App, or other third-party solutions is provided through Webex</li> <li>• Communication with Webex uses the H.264 codec for video and the OPUS codec for audio</li> <li>• Real-time media (voice, video, and screen sharing) is encrypted using the Secure Real-Time Transport Protocol (SRTP); end-to-end encryption uses Advanced Encryption Standard (AES) 128, AES 256, SHA1, SHA256, and RSA</li> </ul>
<b>Bandwidth requirements</b>	<p>Minimum bandwidth:</p> <ul style="list-style-type: none"> <li>• 720p30 from 768 Kbps</li> <li>• 1080p30 from 1.72 Mbps</li> </ul> <p>Maximum up to 6 Mbps point to point</p>
<b>Audio features</b>	<ul style="list-style-type: none"> <li>• High-quality 20-kHz audio</li> <li>• Acoustic echo cancellation</li> <li>• Automatic Gain Control (AGC)</li> <li>• Automatic noise reduction</li> <li>• Active lip synchronization</li> <li>• Microphone array with intelligent voice-tracking capabilities</li> </ul>

Table 3. Product specifications

TYPE	SPECIFICATIONS
<b>Presentation capabilities</b>	<ul style="list-style-type: none"> <li>• 1 HDMI for local presentation or sharing in meetings</li> <li>• Supports formats up to a maximum 4K (3840 x 2160)</li> <li>• Frame rate of 60 fps for up to 1080p and 30 fps for 2160p</li> <li>• Extended Display Identification Data (EDID)</li> </ul>
<b>Live video resolutions (encode/decode)</b>	<p>Main video:</p> <ul style="list-style-type: none"> <li>• Up to 1920 x 1080@30 (HD1080p)</li> </ul> <p>Presentation sharing:</p> <ul style="list-style-type: none"> <li>• Up to 1920 x 1080@30 (HD1080p)</li> </ul>

## Webex Board 85S hardware specifications

TYPE	SPECIFICATIONS
<b>Physical dimensions (H x W x D)</b>	<ul style="list-style-type: none"> <li>• 48.1 x 77.4 x 3 in (1221 x 1966 x 76 mm)</li> </ul>
<b>Weight (Board only)</b>	<ul style="list-style-type: none"> <li>• 220 lbs (100 kg)</li> </ul>
<b>Physical dimensions and weight of packaging (H x W x D)</b>	<p>Webex Board and the selected mounting option will be shipped in a consolidation pack on a pallet.</p> <ul style="list-style-type: none"> <li>• Consolidated package (with pallet) size: 61.4 x 87.5 x 25.2 in (1559 x 2223 x 640 mm)</li> <li>• Shipping weight: <ul style="list-style-type: none"> <li>- With floor stand: 514 lbs (233 kg)</li> <li>- With wall stand: 470 lbs (213 kg)</li> <li>- With wall mount: 439 lbs (199 kg)</li> </ul> </li> </ul>

TYPE	SPECIFICATIONS
	<p><b>Spare options:</b></p> <p><b>Main unit (spare)</b></p> <ul style="list-style-type: none"><li>• Package size (with pallet): 61.4 x 87.5 x 25.2 in (1559 x 2223 x 640 mm)</li><li>• Unit with transport frame weight: 254 lbs (115 kg)</li><li>• Shipping weight: 414 lbs (188 kg)</li></ul> <p><b>Wall-mount kit (spare)</b></p> <ul style="list-style-type: none"><li>• Package size: 8.6 x 76.4 x 3.5 in (218 x 1940 x 89 mm)</li><li>• Product weight: 20 lbs (9 kg)</li><li>• Shipping weight: 22 lbs (10 kg)</li></ul> <p><b>Floor stand (spare)</b></p> <ul style="list-style-type: none"><li>• Package size: 47.2 x 64.4 x 6.2 in (1200 x 1636 x 157 mm)</li><li>• Product weight: 77.1 lbs (35 kg)</li><li>• Shipping weight: 90 lbs (41 kg)</li></ul> <p><b>Wall stand (spare)</b></p> <ul style="list-style-type: none"><li>• Package size: 13.2 x 75.9 x 6.6 in (336 x 1928 x 168 mm)</li><li>• Product weight: 33 lbs (15 kg)</li><li>• Shipping weight: 51 lb (23 kg)</li></ul>
<b>Power</b>	<ul style="list-style-type: none"><li>• Autosensing power supply</li><li>• 100-240V AC, 50 to 60 Hz</li><li>• Power consumption (maximum 4.6A)<ul style="list-style-type: none"><li>- Standby: 41 Watts</li><li>- Idle or in use: 352 Watts</li></ul></li></ul>
<b>Operating temperature and humidity</b>	<ul style="list-style-type: none"><li>• 0° to 35°C (32° to 95°F) at relative humidity 10% to 90% (noncondensing)</li></ul>

TYPE	SPECIFICATIONS
<b>Approvals and compliance</b>	<p><b>Regulatory compliance</b></p> <ul style="list-style-type: none"> <li>• Directive 2014/30/EU (EMC Directive)</li> <li>• Directive 2014/53/EU (Radio Equipment Directive)</li> <li>• Directive 2011/65/EU (RoHS)</li> <li>• Directive 2002/96/EU (WEEE)</li> <li>• NRTL approved (product safety)</li> <li>• FCC Listed (radio equipment)</li> </ul> <p><b>Standards</b></p> <ul style="list-style-type: none"> <li>• Radio: EN 300 328, EN 301 893, EN 300 440</li> <li>• EMC: EN 301 489-1 and -17, EN 55032 – Class A, EN 55024</li> <li>• Safety: EN 60950-1, EN 62479, EN 62311 (for the radio versions)</li> <li>• FCC CFR 47 Part 15B (EMC) – Class A</li> <li>• FCC CFR 47 Part 15C (RF)</li> <li>• FCC CFR 47 Part 15E (R)</li> </ul> <p>Check the <a href="#">Product Approval Status Database</a> for approval documents per country.</p>

## Ordering information

Table 4. Webex Board 85S product names and SKUs

PRODUCT NAME	PRODUCT NUMBER	COMPLIANCE MODEL NUMBER
Webex Board 85S	CS-BOARD85S-G-K9	TTC60-30
Webex Board 85S – non radio	CS-BOARD85S-NR-K9	TTC60-30
Webex Board 85S – non radio – non encryption	CS-BOARD85S-NR-K7	TTC60-30
Webex Board 85 – wall mount kit	CS-BOARD85-G-WMK	
Webex Board 85 – floor stand	CS-BOARD85-G-FS	
Webex Board 85 – wall stand	CS-BOARD85-G-WMK	

Table 5. Webex Board 85S spares

PRODUCT NAME	PRODUCT NUMBER	COMPLIANCE MODEL NUMBER
Webex Board 85S – spare unit	CS-BOARD85S=	TTC60-30
Webex Board 85S – non radio – spare	CS-BOARD85S-NR-K9=	TTC60-30
Webex Board 85S – non radio – non encryption – spare	CS-BOARD85S-NR-K7=	TTC60-30
Webex Board 85 – wall mount kit – spare	CS-BOARD85-WMK=	
Webex Board 85 – floor stand – spare	CS-BOARD85-FS=	
Webex Board 85 – wall stand – spare	CS-BOARD85-WS=	
Webex Board 85 transport frame – spare	CS-BRD85-FRM=	
Webex Board pen kit (2 pens and 6 extra tips)	CS-BRD-PENKIT=	
Webex Board Pen Tips (30 tips, no pens)	CS-BRD-PENTIPS=	
Cisco HDMI presentation cable 8m – 4K capable (with repeater)	CAB-PRES-2HDMI-GR=	

Table 6. Webex Board subscriptions

For cloud deployments – monthly or 1-, 2-, 3-, 4-, or 5-year options

PRODUCT NAME	PRODUCT NUMBER
Webex Board subscription: GPL	A-SPK-SH-ND-SR

## Warranty information

The Webex Board 85S has a 90-day limited liability warranty.

## Cisco environmental sustainability

Information about Cisco’s environmental sustainability policies and initiatives for our products, solutions, operations, and extended operations or supply chain is provided in the “Environment Sustainability” section of Cisco’s [Corporate Social Responsibility](#) (CSR) Report.

Reference links to information about key environmental sustainability topics (mentioned in the “Environment Sustainability” section of the CSR Report) are provided in the following table:

SUSTAINABILITY TOPIC	REFERENCE
Information on product material content laws and regulations	<a href="#">Materials</a>
Information on electronic waste laws and regulations, including products, batteries, and packaging	<a href="#">WEEE compliance</a>

Cisco makes the packaging data available for informational purposes only. It may not reflect the most current legal developments, and Cisco does not represent, warrant, or guarantee that it is complete, accurate, or up to date. This information is subject to change without notice..

## Cisco Service and Support

Cisco and our partners provide a broad portfolio of smart, personalized services and support that can help you realize the full business value of your Cisco collaboration investment by increasing business agility and network availability. This portfolio of services accelerates business innovation by harnessing the network as a powerful business platform. For more information about these services, visit: <https://www.cisco.com/go/collaborationservices>.

## Cisco Capital

### Flexible payment solutions to help you achieve your objectives

Cisco Capital makes it easier to get the right technology to achieve your objectives, enable business transformation and help you stay competitive. We can help you reduce the total cost of ownership, conserve capital, and accelerate growth. In more than 100 countries, our flexible payment solutions can help you acquire hardware, software, services and complementary third-party equipment in easy, predictable payments. [Learn more](#).



### Get started

Download the [Webex App](#) today.

Learn more about the [Webex Board](#) family.

Date July 2021

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