

# Cisco Spark Room Kit Series

## Cisco Spark Room Kit

Cisco Spark Room Kit is a powerful collaboration solution that integrates with flat panel displays to bring more intelligence and usability to your small to medium-sized meeting rooms – whether registered on the premises or through the cloud.

### Cisco Spark Room Kit overview

Cisco Spark™ Room Kit delivers the unmatched video and audio experience customers have come to expect from Cisco. In addition, new capabilities enable even smarter meetings, smarter presentation capabilities, and smarter room and device integrations – further removing the barriers to usage and deployment of video in small to medium-sized rooms.

The Room Kit – which includes camera, codec, speakers, and microphones integrated in a single device – is ideal for rooms that seat up to seven people. It offers sophisticated camera technologies that bring speaker-tracking capabilities to smaller rooms. The product is rich in functionality and experience but is priced and designed to be easily scalable to all of your small conference rooms and spaces – whether registered on the premises or to Cisco Spark through the Cisco® Collaboration Cloud.

Figure 1. Cisco Spark Room Kit in small room scenario



## Cisco Spark Room Kit features and benefits

Feature	Benefit
Smart meetings	<ul style="list-style-type: none"> <li>• Brings intelligent views to smaller rooms with a discreet, integrated camera                             <ul style="list-style-type: none"> <li>◦ Best overview: Automatically detects meeting participants and provides ideal framing</li> <li>◦ Speaker tracking: Detects and switches between active speakers and provides ideal framing</li> </ul> </li> <li>• Great audio experience with integrated microphones and speakers; supports room elegance with no wires or microphones on the table</li> <li>• Automatic wake-up: System “wakes up” when someone walks into the room, and recognizes them through their mobile device</li> <li>• Easily controlled by the Cisco TelePresence® Touch 10 or with a Cisco Spark app-enabled device</li> <li>• End-to-end security</li> </ul>
Smart presentations	<ul style="list-style-type: none"> <li>• Supports dual screens for video and content</li> <li>• Supports dual content sources for local meetings</li> <li>• 4K content sharing (local 30 fps; remote 5 fps)</li> <li>• Wired or wireless content sharing (only two wires required – power and HDMI)</li> </ul>
Smart integrations	<ul style="list-style-type: none"> <li>• Metrics: Counts people in the room, enabling analytics for better resource planning</li> <li>• Automatic screen/display integration through HDMI CEC</li> <li>• Supports Wi-Fi</li> <li>• In-room control: Control peripherals such as lights and blinds through the Cisco TelePresence Touch 10</li> </ul>
Built for cloud and premises	<ul style="list-style-type: none"> <li>• Flexibility to register on the premises or to the cloud through Cisco Spark</li> <li>• Hardware is optimized to run on a cloud platform, for great experiences in shared rooms and spaces with easy access to hosted conferences</li> </ul>

## Cisco Spark Room Kit prominent feature/differentiator

### Bringing more intelligence to small and medium-sized rooms

The Cisco Spark Room Kit offers video innovation in a box, bringing more intelligence and usability to your small to medium team collaboration rooms. While others are still struggling to insert advanced features such as speaker tracking, wireless sharing, and 4K content into their high-end products, Cisco is already bringing these innovations to small and medium team rooms in a cost-effective and simple way. With the Room Kit, Cisco is helping customers experience smarter meetings, enable smarter presentations, and create smarter room and device integrations.

These features were previously the domain of higher-end video conferencing rooms, but can now be brought to every room and every team. And when registered to Cisco Spark, additional cloud-based functionalities are enabled that enhance the user experience and team workflow as well as further simplifying deployment.

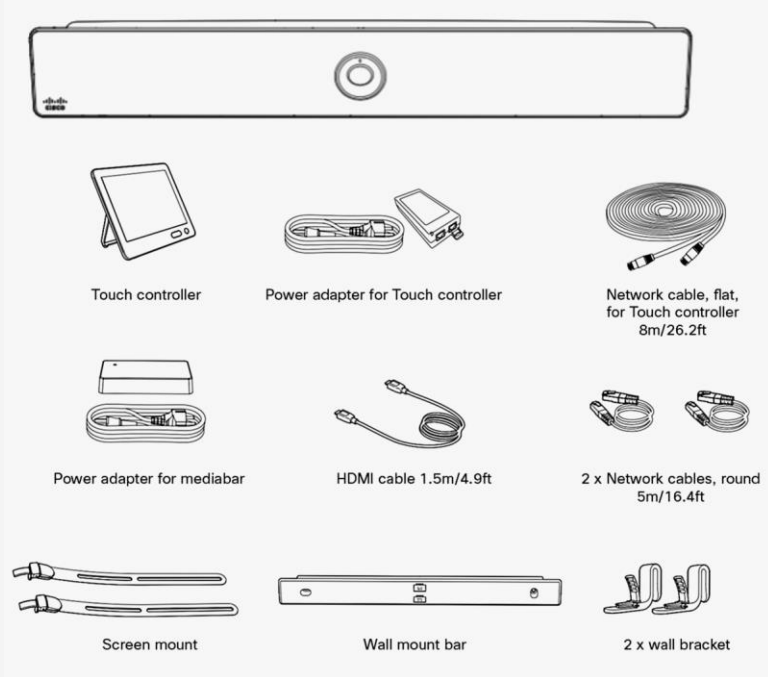
- **Smart meetings:** Powerful, integrated cameras deliver intelligent view capabilities, such as automatic framing and speaker tracking
- **Smart presentations:** Dual screens, dual content sources, wireless sharing, and 4K content make for great presentations
- **Smart integrations:** People count for usage metrics and resource allocation; tight integrations with screens for enhanced functionalities
- **Registration flexibility:** Built for both cloud and on-premises deployment, protecting your investment

# Cisco Spark Room Kit registration

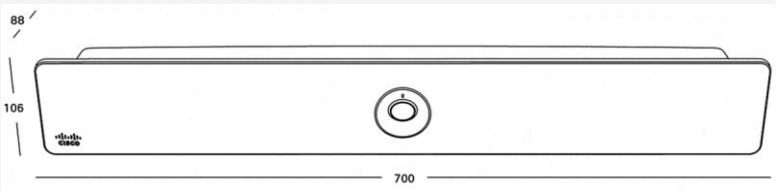
License Level	Term
Cisco Spark Room Kit MSRP Cisco Spark Service	Monthly or 1-, 2-, 3-, 4-, or 5-year options

## Product specifications

Table 1. Specifications

Specification	Description
<b>Software compatibility</b>  Default components in Cisco Spark Room Kit	<ul style="list-style-type: none"> <li>Cisco Collaboration Endpoint Software Version 9.0 or later, and Cisco Spark Room OS</li> </ul>  <p>The image shows the following components:</p> <ul style="list-style-type: none"> <li>Touch controller</li> <li>Power adapter for Touch controller</li> <li>Network cable, flat, for Touch controller 8m/26.2ft</li> <li>Power adapter for mediabar</li> <li>HDMI cable 1.5m/4.9ft</li> <li>2 x Network cables, round 5m/16.4ft</li> <li>Screen mount</li> <li>Wall mount bar</li> <li>2 x wall bracket</li> </ul>
Optional hardware components	<ul style="list-style-type: none"> <li>Cisco Table Microphone 20</li> <li>Microphone extension cable</li> <li>HDMI second monitor cable 1.5 m/4.9 ft.</li> <li>HDMI presentation cable 8 m/26.2 ft.</li> </ul>
Bandwidth	<ul style="list-style-type: none"> <li>Up to 6 Mbps point-to-point</li> </ul>
Minimum bandwidth for resolution/frame rate	H.264: <ul style="list-style-type: none"> <li>720p30 from 768 kbps</li> <li>720p60 from 1152 kbps</li> <li>1080p30 from 1472 kbps</li> <li>1080p60 from 2560 kbps</li> </ul>
Firewall traversal	<ul style="list-style-type: none"> <li>Cisco Expressway™ technology</li> <li>H.460.18, H.460.19 firewall traversal</li> </ul>
Video standards	<ul style="list-style-type: none"> <li>H.264, H.265</li> </ul>
Video inputs	<ul style="list-style-type: none"> <li>One HDMI input supports formats up to maximum 4K (3840 x 2160) at 30 fps including HD1080p60</li> <li>Consumer Electronics Control (CEC) 2.0</li> </ul>
Video outputs	<ul style="list-style-type: none"> <li>Two HDMI outputs support formats up to 3840 x 2160p60 (4Kp60)</li> <li>Live video resolutions (encode and decode) up to 1920 x 1080p30 and p60 (HD1080p)</li> <li>Consumer Electronics Control (CEC) 2.0</li> </ul>
Audio standards	<ul style="list-style-type: none"> <li>G.711, G.722, G.722.1, G.729, AAC-LD, and Opus</li> </ul>

Specification	Description
<b>Audio features</b>	<ul style="list-style-type: none"> <li>• High-quality 20 kHz audio</li> <li>• Prepared for subwoofer (line out)</li> <li>• Prepared for inductive loop (line out)</li> <li>• Automatic Gain Control (AGC)</li> <li>• Automatic noise reduction</li> <li>• Active lip synchronization</li> </ul>
<b>Audio inputs</b>	<ul style="list-style-type: none"> <li>• Two microphones, 4-pin mini-jack</li> <li>• One audio in from HDMI</li> <li>• Internal microphone</li> </ul>
<b>Audio outputs (external)</b>	<ul style="list-style-type: none"> <li>• 1 line out mini-jack (stereo)</li> </ul>
<b>Speakers (integrated)</b>	<ul style="list-style-type: none"> <li>• High-quality speakers: five speakers in balanced configuration</li> <li>• Frequency response 70 Hz to 20 kHz</li> <li>• Amplifier power: 24W</li> <li>• Max output level SPL 86 dB</li> </ul>
<b>Speaker tracking</b>	<ul style="list-style-type: none"> <li>• 6-element microphone array for accurate speaker tracking</li> </ul>
<b>Dual stream</b>	<ul style="list-style-type: none"> <li>• H.239 (H.323) dual stream</li> <li>• Binary Floor Control Protocol (BFCP) (SIP) dual stream</li> <li>• Supports resolutions up to 3840 x 2160p5</li> </ul>
<b>Wireless sharing</b>	<ul style="list-style-type: none"> <li>• Cisco Spark client (up to 3840 x 2160p5)</li> <li>• Cisco Intelligent Proximity client (up to 1920 x 1080p5)</li> </ul>
<b>Multipoint support</b>	<ul style="list-style-type: none"> <li>• 4-way embedded SIP/H.323 conferencing capability with MultiSite option</li> </ul>
<b>MultiSite features (embedded multipoint) (optional upgrade)</b>	<ul style="list-style-type: none"> <li>• Adaptive SIP/H.323 MultiSite: <ul style="list-style-type: none"> <li>◦ 3-way resolution up to 1080p30 + content up to 4Kp5</li> <li>◦ 4-way resolution up to 720p30 + content up to 4Kp5</li> </ul> </li> <li>• Full individual audio and video transcoding</li> <li>• H.323/SIP/VoIP in the same conference</li> <li>• Support for presentation (H.239/BFCP) from any participant at resolutions up to 3840 x 2160p5</li> <li>• Best Impression (automatic continuous presence layouts)</li> <li>• Encryption and dual stream from any site</li> </ul>
<b>Protocols</b>	<ul style="list-style-type: none"> <li>• H.323</li> <li>• SIP</li> <li>• Cisco Spark</li> </ul>
<b>Embedded encryption</b>	<ul style="list-style-type: none"> <li>• H.323 and SIP point-to-point</li> <li>• Standards-based: H.235 v3 and Advanced Encryption Standard (AES)</li> <li>• Automatic key generation and exchange</li> </ul>
<b>IP network features</b>	<ul style="list-style-type: none"> <li>• DNS lookup for service configuration</li> <li>• Differentiated services (quality of service [QoS])</li> <li>• IP-adaptive bandwidth management (including flow control)</li> <li>• Automatic gatekeeper discovery</li> <li>• Dynamic playout and lip-sync buffering</li> <li>• H.245 dual-tone multifrequency (DTMF) tones in H.323</li> <li>• RFC 4733 DTMF tones in SIP</li> <li>• Date and time support using Network Time Protocol (NTP)</li> <li>• Media adaptation and resilience</li> <li>• Uniform resource identifier (URI) dialing</li> <li>• Dynamic Host Configuration Protocol (DHCP)</li> <li>• 802.1X network authentication</li> <li>• 802.1Q Virtual LAN</li> <li>• 802.1p (QoS and class of service [CoS])</li> </ul>
<b>Call Control</b>	<ul style="list-style-type: none"> <li>• Cisco Unified Communications Manager (CUCM) <ul style="list-style-type: none"> <li>◦ Native registration with CUCM</li> <li>◦ Requires CUCM Version 9.1(2) or later with device pack Room Kit</li> </ul> </li> <li>• Cisco Video Communication Server (VCS) <ul style="list-style-type: none"> <li>◦ Native registration with VCS</li> </ul> </li> <li>• Cisco Spark Service</li> <li>• Third-party H.323 Gatekeepers and standards-based SIP proxies</li> </ul>

Specification	Description
IPv6 network support	<ul style="list-style-type: none"> <li>• Single call stack support for both H.323 and SIP</li> <li>• Dual-stack IPv4 and IPv6 for DHCP, SSH, HTTP, HTTPS, DNS, DiffServ</li> <li>• Support for both static and automatic IP configuration (stateless address auto configuration)</li> </ul>
Security features	<ul style="list-style-type: none"> <li>• Management using HTTPS and SSH</li> <li>• IP administration password</li> <li>• Menu administration password</li> <li>• Disable IP services</li> <li>• Network settings protection</li> </ul>
Network interfaces	<ul style="list-style-type: none"> <li>• One Ethernet (RJ-45) 10/100/1000 for LAN</li> <li>• One Ethernet (RJ-45) for Cisco Touch 10 direct pairing</li> <li>• Wi-Fi 802.11a/b/g/n/ac 2.4 GHz/5 GHz, 2x2 MIMO</li> <li>• Bluetooth 4.0 LE</li> </ul>
Other interfaces	<ul style="list-style-type: none"> <li>• USB 2.0 port, µUSB, factory reset pinhole</li> </ul>
Power	<ul style="list-style-type: none"> <li>• 100 to 240 VAC, 50/60 Hz, 12V DC input</li> <li>• Average 20W, peak 70W</li> </ul>
Operating temperature and humidity	<ul style="list-style-type: none"> <li>• 0°C to 40°C (32°F to 104°F) ambient temperature</li> <li>• 10% to 90% relative humidity (RH)</li> </ul>
Storage and transport temperature	<ul style="list-style-type: none"> <li>• -20°C to 60°C (-4°F to 140°F) at RH 10% to 90% (noncondensing)</li> </ul>
Locking mechanism	<ul style="list-style-type: none"> <li>• Kensington security lock</li> </ul>
Dimensions	 <ul style="list-style-type: none"> <li>• Width: 27.5 in. (70.0 cm)</li> <li>• Height: 3.5 in. (10.6 cm)</li> <li>• Depth: 2.9 in. (8.8 cm)</li> <li>• Weight: 7 lb. (3.2 kg)</li> </ul>
Camera Overview	<ul style="list-style-type: none"> <li>• 5K UltraHD camera</li> <li>• Supports up to 60 fps (max 30 fps with speaker tracking and best overview enabled)</li> <li>• 15.1 MP image sensor (5184 x 2916 pixels)</li> <li>• 1/1.7 CMOS</li> <li>• 3x zoom</li> <li>• f/2.0 aperture</li> <li>• 83° horizontal field of view; 51.5° vertical field of view</li> <li>• Auto framing (audio + face detect)</li> <li>• Auto focus, brightness, and white balance</li> <li>• Focus distance 1 m to infinity</li> </ul>

## Regulatory compliance

Directive 2014/35/EU (Low-Voltage Directive)

Directive 2014/30/EU (EMC Directive) – Class A

Directive 2014/53/EU (Radio Equipment Directive)

Directive 2011/65/EU (RoHS)

Directive 2002/96/EC (WEEE)

NRTL approved (Product Safety)

FCC CFR 47 Part 15B (EMC) – Class A

FCC Listed (Radio Equipment)

Please check the Product Approval Status Database <https://www.ciscofax.com/> for approval documents per country.

To place an order, please contact your local Cisco representative and refer to Table 2.

Table 2. Ordering information

Product Name	Part Number	Compliance Model Number
<b>Cisco Spark Room Kit – MSRP* (for Cisco Spark registration)</b>	CS-KIT-MSRP-K9	
• Cisco Spark Room Kit Unit	CS-KIT-S-M-UNIT+	TTC7-23
• Cisco TelePresence Touch 10 Control Device	CTS-CTRL-DVX-10+	TTC5-09
• MSRP Cisco Spark Service	A-SPK-SH-RMK (A-SPK-SH)	
<b>Cisco Spark Room Kit – GPL** (for registration to VCS, UCM and 3<sup>rd</sup> party call control)</b>	CS-KIT-K9	
• Cisco Spark Room Kit Unit	CS-KIT-S-UNIT+	TTC7-23
• Cisco TelePresence Touch 10 Control Device	CTS-CTRL-DVX-10+	TTC5-09
<b>Cisco Spark Room Kit – NO RADIO</b>	CS-KIT-NR-K9	
• Cisco Spark Room Kit Unit	CS-KIT-S-NR+	TTC7-23
• Cisco TelePresence Touch 10 Control Device	CTS-CTRL-DVX-10+	TTC5-09
<b>Cisco Spark Room Kit – TAA</b>	CS-KIT-K9++	
• Cisco Spark Room Kit Unit	CS-KIT-S-UNIT++ or CS-KIT-S-NR++	TTC7-23
• Cisco TelePresence Touch 10 Control Device	CTS-CTRL-DVX-10+	TTC5-09
<b>Cisco Spark Room Kit – No Encryption</b>	CS-KIT-K7	
• Cisco Spark Room Kit	CS-KIT-S-UNITK7+	TTC7-23
• Cisco TelePresence Touch 10 Control Device	CTS-CTRL-DVX-10+	TTC5-09
<b>Options</b>		
Cisco Table Microphone 20	CTS-MIC-TABL20	
Extension cable for Table Microphone 20	CAB-MIC20-EXT	
Second screen 1.5 m HDMI 2.0 certified cable	CAB-2HDMI-1.5M-GR	
Presentation cable 8 m 4kp30 certified	CAB-PRES-2HDMI-GR	
<b>Software options – ordered separately</b>		
Remote Monitoring	L-ROOM-RM (L-TP-RM)	
MultiSite (embedded multipoint)	L-KIT-MS (L-ROOM-PAK)	
<b>Spares</b>		
Cisco Spark Room Kit – MSRP (SPARE)	CS-KIT-UNIT=	TTC7-23
Cisco Spark Room Kit – GPL (SPARE)	CS-KIT-UNIT=	TTC7-23
Cisco Spark Room Kit – No Radio (SPARE)	CS-KIT-NR=	TTC7-23
Cisco Spark Room Kit – No Encryption (SPARE)	CS-KIT-UNITK7=	TTC7-23
Power supply for Room Kit	PSU-12VDC-70W-GR=	FSP070-AHAN2, ADF019
Touch 10 Control Device	CTS-CTRL-DV10=	TTC5-09
Touch 10 PoE power injector	CS-POE-INJ=	POE16U-1AF, FA015LS1-00
Cisco Table Microphone 20	CTS-MIC-TABL20=	
Screen Mount Kit for Room Kit	CS-KIT-S-SMK=	
Wall Mount Kit for Room Kit	CS-KIT-S-WMK=	

\* MSRP = Manufacturer's Suggested Retail Price

\*\* GPL = Global Price List

## Warranty information

Cisco Spark Room Kit has a 90-day limited liability warranty.

## Cisco services 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, please visit:

<https://www.cisco.com/go/collaborationservices>.

## Cisco Capital

### Financing to help you achieve your objectives

Cisco Capital<sup>®</sup> can help you acquire the technology you need to achieve your objectives and stay competitive. We can help you reduce CapEx. Accelerate your growth. Optimize your investment dollars and ROI. Cisco Capital financing gives you flexibility in acquiring hardware, software, services, and complementary third-party equipment. And there's just one predictable payment. Cisco Capital is available in more than 100 countries. [Learn more](#).

## Custom call to action

- Learn more about the [Cisco Spark Room Kit](#).
- Download the [Cisco Spark App](#).

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