Cisco Spark Board

Cisco Spark Board 55

The Cisco Spark™ Board is a 3-in-1 device that provides everything you need to collaborate with your teams in physical meeting rooms: You can wirelessly present, white board, and have video and audio calls. And it securely connects to your virtual teams through the Cisco Spark service via your Cisco Spark app-enabled devices, so you can take your meetings and content on the road.

Figure 1.   White Boarding Capability on Cisco Spark Board

Cisco Spark Board Product Overview

The Cisco Spark Board revolutionizes the way we work by combining key requirements for team collaboration in the physical meeting room into a single device and connects 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. The Cisco Spark 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 Cisco Spark Board draws its power from the Cisco Spark service, which combines meeting, messaging, calling, and new white boarding capabilities on any Cisco Spark app-enabled device. Registration to the Cisco Collaboration Cloud lets you store everything created on the Cisco Spark Board directly in the cloud and associate it to a virtual Cisco Spark space, so you can take your work wherever you go. The Cisco Spark Board solution offers an integrated, secure and comprehensive life-cycle approach to teamwork that is as yet unimagined, and thus unmatched, by any other solution on the market.

The Cisco Spark Board is a fully self-contained system on a high-resolution 4K 55-inch LED screen. With an integrated 4K camera, embedded microphones, and a capacitive touch interface, the Cisco Spark Board brings intelligence, style, and usability to meeting rooms, from small to large. Designed with minimal wires, so as to not disrupt its elegance, Cisco's latest collaboration device is touch-based for easy and rich team collaboration. Not only is the Cisco Spark 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 all of your conference rooms.

The Cisco Spark Board is the latest addition to the portfolio of Cisco Spark video and audio conferencing devices that register to the Cisco Collaboration Cloud, including the Cisco TelePresence MX, DX and SX Series and Cisco IP Phone 7800 and 8800 Series.

Figure 2.   Videoconferencing on the Cisco Spark Board

Cisco Spark Board Features and Benefits

Feature	Benefit
Wireless presentation	● No wires required to share presentation, locally or remotely, from a laptop (HDMI available)
Digital whiteboard	● Easily white board with the Cisco Spark Pen or your finger on the Cisco Spark Board and automatically save content to a Cisco Spark space ● Connects to white boarding capability on any Cisco Spark app-enabled device ● Annotate on shared documents (future software release)
Audio/video conferencing	● High-quality video conferencing (Cisco Spark and Session Initiation Protocol [SIP]) ● High-fidelity audio conferencing
Industrial design	● Discreet built-in 4K-camera is untimidating, to help users feel comfortable when getting close to the screen ● Built-in microphones and wireless sharing add to the clean, no-wire aesthetics ● Fixed-lens camera uses an 86-degree wide field of view to capture virtually the entire room ● High-resolution 4K screen shows detailed content beautifully
Usability	● Easy-to-understand activity circles correspond to the basic activities and workflows that users need to get their work done ● Intuitive navigation, such as a home button and touchscreen, is a staple of mobile devices and familiar to users ● Consistent user interface and workflow across the Cisco Spark Board and Cisco Spark app minimize the user's learning curve ● 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

Feature	Benefit
Continuous workflow	• Cloud registration lets everything created on the Cisco Spark Board be stored directly and securely in the cloud and associated to a virtual Cisco Spark space • Team members can pick up wherever they left off on the Cisco Spark Board when they leave the physical room; work can continue from a different location, time, or device, such as another Cisco Spark Board or any other Cisco Spark app-enabled devices (smartphones, tablets, laptops) • Cisco Spark Board and Cisco Spark service solution together provide end-to-end encryption, so your communications and content are secure
Intelligent views	• Powerful 4K camera captures high-resolution image of virtually the entire room • Intelligent software algorithms enable future capabilities such as automatic framing for the best possible views and active speaker tracking (future software release)
Intelligent audio	• Built-in 12-microphone array amplifies sound quality – as if a microphone has been extended to each speaker • Automatically modulates the active speaker so that clear audio is delivered to the far end, whether the speaker is close to or from away from the Cisco Spark Board • No microphone wires to detract from the aesthetics of the Cisco Spark Board • Powerful microphones cover a room with 8 to 10 people
Intelligent Proximity	Cisco Spark Proximity and ultrasound pairing technology enable the following: • Cisco Spark Board automatically wakes up when it detects a Cisco Spark app-enabled user entering the room and suggests an activity to choose from • Wireless sharing of documents from a laptop is enabled both in and out of a conference call; connect seamlessly to personal and mobile devices using ultrasound (no need for dongles, adapters, typing in PINpin codes, etc.) • Basic endpoint control of the Cisco Spark Board can be done through your Cisco Spark app-enabled mobile device (make and disconnect calls, etc.)

Cisco Spark Board Prominent Feature/Differentiator

The Power of the Cisco Spark Platform Enables Continuous Teamwork

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

- Cloud based: The Cisco Spark Board is registered and delivered simply and securely with end-to-end encryption through the Cisco® Collaboration 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 Cisco Spark Board and associated with a Cisco Spark virtual space, content and messages live persistently and can be accessed from any mobile device – laptop, smartphone, tablet – on the Cisco Spark 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 Cisco Spark Board – meeting, calling, messaging and white boarding – are the same capabilities you will experience on any other Cisco Spark app-enabled personal device. So you can start your work on the Cisco Spark Board and continue on your personal and mobile devices, or vice versa.

Cisco Spark Board Platform Support

Product Family	Platforms Supported
Cisco Spark Board	Requires activation and connection to the Cisco Collaboration Cloud

Cisco Spark Board Subscription

License Level	Term
Cisco Spark Board Subscription	Monthly or 3-, 4-, or 5-year options

Cisco Spark Board Product Specifications

Type	Specifications
Software	Cisco Spark Board OS, provisioned by the Cisco Collaboration Cloud
Components	Fully integrated unit is delivered with: ● Multi-touch 55-inch LED display ● 4K camera ● 12-microphone array ● Speakers ● White boarding pen
Display	● Edge LED LCD – 55-inch 4K, 350 nits, 16:9 ● Viewing angle: +- 89 (all directions) ● Number of colors: 1.07 billion (10 bit) ● Contrast: 1:4000 ● Response time: 5.5 ms
User Interface	● Capacitive touch ● Protective glass with optical bonding ● Multi-touch
Inputs and outputs	● HDMI input ● Home button ● 3.5-mm mini jack audio out (line out) ● 2 x USB 3.0 (for serviceability)
Camera overview	● Fixed lens, infinite focus ● F-value: 2.8 ● 4Kp60 ● Horizontal field of view (HFOV): 86 degrees ● Vertical field of view (VFOV): 55 degrees ● Camera mounted tilted: -25 degrees
Audio system	● 12-element microphone array (with intelligent voice tracking) ● Integrated voice-optimized speakers
Network	● Ethernet (RJ-45) 100/1000 Mbps ● Wi-Fi 802.11a/b/g/n + ac (2.4 and 5 GHz) (supported on future software release) ● Bluetooth ready ● IPv4 Dynamic Host Configuration Protocol (DHCP)/static ● Network Time Protocol (NTP)
User Interface	● Control Cisco Spark Board directly from the touchscreen or using your Cisco Spark app-enabled personal device
Language support	● English ● Additional languages to be supported in future software release
Physical dimensions (H x W x D)	● 50 x 32 x 1.9 in (814 x 1283 x 49 mm)
Weight	● 87.7 lb (39.8 kg)

Type	Specifications
Physical dimensions and weight of packaging (H x W x D)	Main unit • Consolidated package size: 36.2 x 55.7 x 7.5 in. (919 x 1416 x 191 mm) • Weight: 88 lb (39.8 kg) • Shipping weight (including packaging): 101 lb (45.8 kg) Floor stand kit • Consolidated package size: 41.9 x 77.7 x 5.2 in (1064 x 1974 x 132 mm) • Weight: 46 lb (21.1 kg) • Shipping weight (including packaging): 55 lb (25 kg) Wall stand kit • Consolidated package size: 30.2 x 48.5 x 4.2 in (768 x 1231 x 106 mm) • Weight: 24 lb (11 kg) • Shipping weight: 28.6 lb (13 kg) Wall mount kit • Consolidated package size: 10 x 54.5 x 2 in (253 x 1386 x 51 mm) • Weight: 11 lb (5 kg) • Shipping weight: 13.2 lb (6 kg)
Power	• Autosensing power supply • 100 to 240 VAC, 50 to 60 Hz • Power consumption: 237 W max
System management	Cisco Spark Board is managed in the administrator portal in Cisco Spark, giving system status and overview, activation, configuration, metrics, and troubleshooting.
Operating temperature and humidity	0° to 35°C (32° to 95°F) at relative humidity 10% to 90% (noncondensing)
Approvals and 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 product approval status database http://www.ciscofax.com for approval documents per country.
System Requirements	• Cisco Spark Board is connected to the Cisco Collaboration Cloud service using RESTful APIs. Communication with other Cisco Spark Boards, Cisco Spark apps, or other third-party solutions is provided through the Cisco Collaboration Cloud. • Communication with the Cisco Collaboration Cloud uses the H.264 codec for video and the OPUS codec for audio. • 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.
Minimum bandwidth for resolution/frame rate	• 720p30 from 768 Kbps • 1080p30 from 1.72 Mbps
Video inputs	1 HDMI for local or presentations Supports formats up to maximum 1920 x 1080 including: • 640 x 480 • 720 x 480 • 720 x 576 • 800 x 600 • 848 x 480 • 1024 x 768 • 1152 x 864 • 1280 x 720 • 1280 x 1024 • 1280 x 768 • 1280 x 800

Type	Specifications
	• 1280 x 960 • 1360 x 768 • 1366 x 768 • 1400 x 1050 • 1440 x 900 • 1680 x 1050 • 1920 x 1080 Extended Display Identification Data (EDID)
Live video resolutions (encode/decode) – main video and presentation sharing	• 176 x 144@30 (QCIF) (Decode only) • 352 x 288@30 (CIF) • 512 x 288@30 (w288p) • 576 x 448@30 (448p) • 768 x 448@30 (w448p) • 704 x 576@30 (4CIF) • 1024 x 576@30 (w576p) • 640 x 480@30 (VGA) • 800 x 600@30 (SVGA) • 1024 x 768@30 (XGA) • 1280 x 768@30 (WXGA) • 1280 x 720@30 (HD720p) • 1920 x 1080@30 (HD1080p)
Audio features	• High-quality 20-kHz stereo audio • Acoustic echo cancellation • Automatic Gain Control (AGC) • Automatic noise reduction • Active lip synchronization • Microphone array with intelligent voice tracking capabilities

Ordering Information

The Cisco Spark Board requires activation and connection with the Cisco Spark service, and can be used only for local presentations using HDMI without an active subscription.

Cisco Spark Board

Product Name	Product Number
Cisco Spark Board 55	SPARK-BOARD55-K9
Cisco Spark Board 55 – floor stand kit	SPARK-BOARD55-FSK
Cisco Spark Board 55 – wall stand kit	SPARK-BOARD55-WSK
Cisco Spark Board 55 – wall mount kit	SPARK-BOARD55-WMK

Cisco Spark Board Spares

Product Name	Product Number
Cisco Spark Board 55 – spare	SPARK-BOARD55=
Cisco Spark Board 55 – floor stand kit – spare	SPARK-BOARD55-FSK=
Cisco Spark Board 55 – wall stand kit – spare	SPARK-BOARD55-WSK=
Cisco Spark Board 55 – wall mount kit – spare	SPARK-BOARD55-WMK=
Cisco Spark Board Pens 3x SPARE	SPARK-BOARD-PEN3X=

Cisco Spark Board Subscription

Product Name	Product Number
Cisco Spark Board subscription	A-SPK-SH-ND-BRD

Warranty Information

The Cisco Spark Board 55 has a 90-day limited liability warranty.

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, please visit: http://www.cisco.com/go/collaborationservices.

Cisco Capital

Financing to Help You Achieve Your Objectives

Cisco Capital® 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

Call to Action

- Download the Cisco Spark app today

Printed in USA

C78-738316-00   01/17