Cisco Cius Mobile Collaboration Endpoint

Cisco® Unified Communications Solutions enable collaboration so that organizations can quickly adapt to market changes while increasing productivity, improving competitive advantage through speed and innovation, and delivering a rich-media experience across any workspace, securely, and with optimal quality.

Figure 1.   Cisco Cius Mobile Collaboration Endpoint

Product Overview

The Cisco Cius™ mobile collaboration endpoint (Figure 1) is an Android-based platform built for business. Cius™ is designed to help organizations capitalize on the mobile, social, visual, and virtual needs of businesses today in the post-PC era by enabling anywhere, anytime access to secure business-critical communications, collaboration, and computing features from a single ultraportable device.

The main attributes of Cisco Cius include:

* Seven-inch design built to bring mobility to the business with a choice of wired Gigabit Ethernet connectivity through an optional high-definition (HD) media station, and IEEE 802.11 a/b/g/n Wi-Fi connectivity.

* Support for Cisco Unified Communications features, devices, and applications management and security policies from Cisco Unified Communications Manager 7.1.5, 8.0.3 or 8.5.1 and later with system releases

* A contacts-led user experience that provides multimodal, single-view access to communications and collaboration features, through a Quick Contact Badge, offering you flexibility in your choice of collaboration methods

* HD video (H.264/AVC, 720p [1280 x 720] @ 30 frames per second [fps]) front- and rear-facing video cameras and interoperability with Cisco and third-party H.264 video endpoints including Cisco TelePresence® systems and Cisco TelePresence System EX Series endpoints

- Support for workspace virtualization (Virtual Experience Infrastructure [VXI]) thin clients for cost-effective and secure virtualized computing, voice, and video communications
- Integrated suites of collaborative applications: Cisco WebEx® conferencing, Cisco Jabber™ Instant Messaging (IM), presence, email, calendar, contacts, visual voicemail, and voice and video through Cisco Unified Communications Manager
- Access to the Cisco AppHQ™ Marketplace for secure mobile business-differentiated applications, IT controls for determining user access to Android Marketplaces, and mobile applications cost management, as standard
- Option for the Cisco AppHQ Manager, which enables you to have access to advanced management and reporting capabilities, in addition to having your own private mobile applications center, customized for your business and hosted by Cisco
- Accessories, sold separately, which include HD media station, carrying cases (standard, executive, and ruggedized) for stylish yet functional protection with mobile and various cable options for connections to external displays

Product Features and Specifications

Tables 1 through 5 summarize features and other information, and Table 6 summarizes ordering information.

Table 1. Product Specifications

Feature	Specifications
Cius	
Ergonomic Design	Multitouch form factor that allows device mobility while providing an ideal viewing experience for documents, webpages, and videoconferencing
Display	7-in. diagonal (153.6 H x 90.0 V) - Backlit, WSVGA capacitive touchscreen LCD with 1024 x 600 pixel effective resolution - Support for various multitouch gesture commands to interact with contacts, collaboration applications, voice and video calling, and third-party applications
Operating System	Android 2.2.2 (Froyo)
Processor	Intel Atom Z615 Processor (512-KB cache, 1.6 GHz)
Storage	32-GB eMMC flash memory
Memory	1-GB RAM
Weight	1.177 lb (0.534 kg)
Dimensions (H x W x D)	5.5 x 8.85 x 0.59 in. (140 x 225 x 15 mm)
Battery	- Removable 4960 mAh battery - Up to 6 hours and 30 minutes for typical business use, which includes HD videoconferencing and web conferencing, collaboration, browsing, etc.
Sensors	3-axis gyro - Accelerometer - Global Positioning System (GPS) - Ambient light sensor
Location Sources	802.11a/b/g/n Wi-Fi - GPS

Feature	Specifications
Physical Buttons	• Power • Volume control • Mute • Menu (Android button) • Home (Android button) • Back (Android button)
Multimedia	
Forward-Facing Camera	• HD video communication with Cisco TelePresence interoperability and other H.264 video endpoint interop for immersive video communication • Capable of 720p 30-fps HD video encoding and decoding • LED indicator to show video status
Rear-Facing Camera	• Ability to capture 5-megapixel still pictures or 720p (1280 x 720) quality video •
Ports and Slots	• Micro SD slot • Micro USB • Micro HDMI • 3.5-mm stereo headphone jack
Audio Codecs	AAC-LC, HE-AAC, MP3, WAV, G.711, G.722, G.729, Internet Speech Audio Codec (iSAC), and Internet Low Bitrate Codec (iLBC)
Input/Output Microphone	• Two 29-pin dock connector ports • Dual-array echo-cancelation microphone system • Built-in stereo speakers • 3.5-mm stereo headphone jack
Connectivity	
Wi-Fi Ethernet	Wi-Fi IEEE 802.11 a/b/g/n dual-band
Gigabit Ethernet and Power over Ethernet (PoE)	Gigabit wired Ethernet with IEEE 802.3at PoE technology through the HD media station
Network Features	• Cisco Discovery Protocol • Link Layer Discovery Protocol Power over Ethernet (LLDP-PoE) • Session Initiation Protocol (SIP) for signaling • Dynamic Host Configuration Protocol (DHCP) client or static configuration • Transparent secure roaming • Switch auto-negotiation • Domain Name System (DNS) • Web proxy • NTLM/Kerberos Authentication • Airplane mode • Trivial File Transfer Protocol (TFTP) • Wi-Fi management • IPv4 configuration • Software port speed • PC port speed
Bluetooth	Bluetooth 2.1 + Enhanced Data Rate (EDR), allowing untethered headset connections
Mobile Hotspot	Ability to enable your Wi-Fi Cius with mobile flexibility with a Verizon Mobile Hotspot: Novatel MiFi 4510L Intelligent mobile hotspot or the Samsung 4G LTE Mobile Hotspot: SCH-LC11; for more details: http://products.verizonwireless.com/index.aspx?id=fnd_mobile_hotspot#blazingspeeds

Feature	Specifications
Accessories	
HD Media Station	Expanded capabilities through: • 3 USB ports • 3.5-mm headset jack • 10-/100-/1000-Gbps switch ports for wired connections • Support for IEEE 802.3at PoE, class 4 • Additional speaker for wideband hands-free communications • DisplayPort to connect to a larger display in mirror mode • Desktop experience • Two handset options: Standard and slim
Carrying Cases	The carrying cases provide LCD protection while transporting the Cisco Cius device and are available in three different options: • Standard carrying case, black • Executive carrying case, black or brown • Ruggedized OtterBox carrying case
Spare Battery	4960 mAh battery
Power Options	You can charge Cius through several methods: • Standard power supply • HD media station • Car charger •
Conversion Cables	Various cables that allow connecting Cius to external displays from the mini HDMI port or from the DisplayPort on the media station: • DisplayPort single mode to VGA cable • DisplayPort single mode to HDMI cable • Micro-HDMI to VGA cable
USB keyboard and mouse	USB keyboard and mouse support through the media station
Firmware	
Provisioning and Management	• Cisco Unified Communications Manager 8.5 • Backward compatibility with Cisco Unified Communications Manager 7.1.5 and 8.0.3 (no support for Android package [APK] provisioning without the Cisco AppHQ Marketplace) • Cius is provisioned and managed by Cisco Unified Communications Manager
Upgrading Process	• Software upgrade of the device and media station through Cisco Unified Communications Manager • Support for online firmware upgrades using TFTP • HTTP firmware management
Temperature	
Operational Temperature	32 ~ 104℉ (0°~ 40℃)
Nonoperational Temperature Shock	-13 ~ 158℉ (-25°~ 70℃)
Temperature: Altitude (Operational)	104℉ (40℃) ambient condition to 9843 ft (3000m)
Temperature: Altitude (Nonoperational)	Ambient condition to 15,000 ft (4572m)
Temperature: Humidity (Nonoperational)	90 ± 5% relative humidity
Nonoperational Hot Temperature (Storage)	158°F (70℃) ± 2℃
Nonoperational Cold Temperature (Storage)	-40℉ (-40℃) ± 2℃

Table 2.   Software Features

Category	Features
Android Bundled Applications	• Android Market (enabled by administrator through Cisco Unified Communications Manager; includes country-approved Google mobile services applications) • Audio player • Calculator • Calendar • Camera • Clock • Contacts • Email (Internet Message Access Protocol [IMAP], Point of Presence 3 [POP3], and Microsoft Exchange (Active Sync) supported) • Gallery • Sound recorder • Phone • Video player • Web browser
Cisco Bundled Applications	• Cisco AnyConnect™ Secure Mobility Client (VPN) • Cisco AppHQ Marketplace • Cisco Jabber IM (which offers chat and presence capabilities) • Cisco WebEx® conferencing • Quickoffice Lite • Unified Inbox • Visual voicemail
Cisco AppHQ Applications	Enterprise Application Manager (visit https://marketplace.cisco.com/apphq for more information)
Calling Feature Support	• + Dialing • Adjustable ringing and volume levels • Adjustable display brightness • Application launch pad • Auto-answer • Auto-detection of headset • Barge • Call forward • Call history lists • Call timer • Call waiting • Caller ID • Corporate directory • Conference • Direct transfer • Fast-dial service • Hold • Immediate divert • Join • Message-waiting indicator • Music on hold • Mute • Network profiles (automatic) • On- and off-network distinctive ringing • Personal directory • Predialing before sending • Privacy • Ring tone per line appearance • Shared line • SRST

Category	Features
	• Time and date display • Transfer • Voicemail
Language Support	• Chinese (People's Republic of China and Taiwan) • Czech • Dutch • English (United States and United Kingdom) • French (France) • German • Italian • Japanese • Korean • Polish • Portuguese Russian • Spanish (Spain)

Table 3. Security Features

Category	Feature
Hardware	• Secure boot • Secure credential storage • Image authentication and encryption • Random bit generation • Hardware cryptographic acceleration • Encrypted file system
Certificate Management	• Manufacturer-installed certificates • Locally significant certificates
Network	• Wired: 802.1x Transport Layer Security (TLS) • Wireless: Wi-Fi Protected Access 2 (WPA2) (Extensible Authentication Protocol-Flexible Authentication via Secure Tunneling [EAP-FAST]) • Wireless Equivalent Privacy (WEP) • Extensible Authentication Protocol – Transport Layer Security (EAP-TLS) • Protected Extensible Authentication Protocol – Generic Token Card (PEAP-GTC)
Media and Data	• TLS and Secure Real-Time Transport Protocol (SRTP) • Secure HTTP (HTTPS) for clients
Enterprise Access	• Cisco AnyConnect Secure Mobility Client • Web Proxy • NTLM/Kerberos Authentication
Mobility	• Remote wipe • ActiveSync remote wipe (email, contacts, calendar, etc.) • Self-service wipe • Wipe after unsuccessful login attempts • Factory reset
Policy Management	• Password complexity • Disable USB • Secure Digital I/O (SDIO) enable/disable • Bluetooth • Wi-Fi • Access to Android market • Lock device • Android debug bridge

Table 4.   Video Specifications

Specification	Description
Video Standards	H.264/AVC
Frame Rates	30 fps (maximum) using H.264/AVC for videoconferencing
Frame or Picture Formats	• QCIF (176 x 144 pixels) • CIF (352 x 288 pixels) • w360p (640 x 360 pixels) • 720p (1280 x 720 pixels)

Table 5.   Packaging Description

Product Description	Included in the Box	Weight: Single Box	Weight: Master Carton
Cius CIUS-7-K9	• Power supply and country-specific power cord • Cleaning cloth • Replaceable battery	2.45 lb (1.11 kg)	26.96 lb (12.23 kg) 10 boxes per master carton
HD Media Station CIUS-MS-H= CIUS-MS-H-S=	• Handset (option for standard or slimline) • Coil cord • Ethernet cable	3.53 lb (1.6 kg)	180 lb (81.65 kg) 5 boxes per master carton

Warranty Information

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

Ordering Information

The official ordering guide for Cius is available at http://www.cisco.com/go/partnercius (partners only). Table 6 gives ordering information.

Table 6.   Cisco Cius Products

Product Number	Description
CIUS-7-K9	Cius 7 Inch, Phantom Grey*
CIUS-MS-H=	Cius Media Station, Standard Handset, Phantom Grey**
CIUS-MS-H-S=	Cius Media Station, Slim Handset, Phantom Grey**
CP-PWR-CUBE-4=	Power Cube 4
CP-PWR-CORD-AU=	Power Cord Australia
CP-PWR-CORD-CE=	Power Cord Central Europe
CP-PWR-CORD-JP=	Power Cord Japan
CP-PWR-CORD-NA=	Power Cord North America
CP-PWR-CORD-UK=	Power Cord United Kingdom
CP-PWR-CORD-SW=	Power Cord Switzerland
CIUS-EXEC-CASE-C=	Cius Executive Carrying Case, Black Leather
CIUS-EXEC-CASE-BR=	Cius Executive Carrying Case, Brown Leather
CIUS-STD-CASE=	Cius Standard Carrying Case
CIUS-RUG-CASE=	Cius Ruggedized Case
XPACC-DPVGA=	DisplayPort Single Mode to VGA Adaptor
XPACC-DPHDMI=	DisplayPort Single Mode to HDMI Adaptor
XPACC-MHDMIVGA=	Micro-HDMI to VGA Adaptor

Product Number	Description
CIUS-DC-CHARGER=	Cius Car Charger
XPACC-KBD-G=	USB Wired Keyboard, Phantom Grey
XPACC-MSE-G=	USB Wired Mouse, Phantom Grey

Cisco Services

Using the Cisco Lifecycle Services approach, Cisco and our partners offer a broad portfolio of end-to-end services to support the Cisco Unified Communications System. These services are based on proven methodologies for deploying, operating, and optimizing IP communications solutions. Initial planning and design services, for example, can help you meet aggressive deployment schedules and reduce network disruption during implementation. Operate services reduce the risk of communications downtime with expert technical support, and optimize services enhance solution performance for operational excellence. Cisco and our partners offer a system-level service and support approach that can help you create and maintain a resilient, converged network that meets your business needs.

For More Information

For more information about Cisco Cius, visit http://www.cisco.com/go/cius, contact your local Cisco account representative, or send questions to cius_feedback@cisco.com.

Printed in USA

C78-609507-04   12/11