

Cisco Virtualization Experience Client 2100 and 2200 Series

Product Overview

Cisco® Virtualization Experience Infrastructure (VXI) is the first solution to combine Cisco Collaboration, Cisco Borderless Networks, and Cisco Data Center architectures, creating an outstanding offering that eliminates the feature gaps of existing virtualization solutions.

Cisco Virtualization Experience Client (VXC) 2100 and 2200 Series endpoints are critical elements of this new solution. Workers demand access to data, applications, and services anywhere, at any time, and across a diversity of operating systems, device form factors, networking environments, and work preferences. At the same time, workers expect an uncompromised and unencumbered user experience, with comprehensive media and collaboration services.

Cisco meets these requirements with the Cisco VXC endpoints. These endpoints provide workers with secure, real-time access to business applications and content, anytime and anywhere, without compromise of the rich collaborative user experience for which Cisco is known (Figure 1).

Figure 1. Cisco Virtualization Experience Client 2100 and 2200 Series endpoints.



Cisco VXC 2111 with Cisco Unified IP Phone 9971

Cisco VXC 2200 Series

Features and Benefits

Cisco VXC 2100 and 2200 Series endpoints simplify IT deployment, security, and scalability:

- Integrated form factor for Cisco Unified IP Phone 8961, 9951*, and 9971 phone uses existing power over Ethernet (PoE) and desktop phone; requires only a monitor and a keyboard and mouse

* VXC 2100 support is available on IP Phone Model 9951 with Serial number FCH153681E0 and above or VID V05 and above.

- Standalone virtual desktop infrastructure (VDI) form factor for customers without Cisco Unified IP Phone 8900 or 9900 Series; first PoE desktop solution
- For protection of the devices, the Cisco VXC 2xxx product family support the use of the standard Kensington Physical security lock feature

Licensing

Cisco VXC's are a set of endpoints that use core Cisco data center architecture, Cisco Unified Computing System™ infrastructure, and the Cisco Unified Communications Solutions; they also interact within a virtualized desktop environment with VMware View or Citrix XenDesktop. The Cisco VXC end points themselves do not require specific software licensing; the system with which they interact determines the software licensing structure and needs, as shown in Table 1.

Table 1. Licensing Requirements

	Cisco VXC 2111 and 2211	Cisco VXC 2112 and 2212
Cisco Unified Communications Solutions	User Connect licensing for Cisco Unified IP Phones, Cisco Unified Personal Communicator, and user enablement Note: Cisco UC Optional for 2211	User Connect licensing for Cisco Unified IP Phones, Cisco Unified Personal Communicator, and user enablement Note: Cisco UC Optional for 2212
VMware	Server and User licensing (http://www.vmware.com)	Server and User licensing for View RDP (http://www.vmware.com)
Citrix		Server and User licensing (http://www.citrix.com/)

Compatibility and Supported Feature set

The Cisco VXC 2x12 (RDP) and VXC 2x11 (PCoIP) products are certified as VMware Ready for VMware View Clients.

For additional information, please refer to:

<http://www.vmware.com/resources/compatibility/search.php?action=base&deviceCategory=vdm>

The Cisco VXC 2x12 products are verified as Citrix Ready and HDX Ready.

For additional information, please refer to:

<http://www.citrix.com/ready/partners/cisco/products/vxc-2112>

<http://www.citrix.com/ready/partners/cisco/products/vxc-2212>

Product Specifications

Table 2 lists specifications for the Cisco VXC 2100 and 2200 Series.

Table 2. Product Specifications

Item	Specification
Processor	Cisco VXC 2111 and 2211: Teradici 1100P PCoIP™ Cisco VXC 2112 and 2212: VIA Eden 1GHz
Display	<ul style="list-style-type: none"> • VESA monitor support with Display Data Control (DDC) for automatic setting of resolution and refresh rate • Dual monitors supported • Single and dual: 1920x1200@60Hz; color depth: 8, 15, 16 or 24 bpp. • Two independent full resolution frame buffers
I/O peripheral support	VXC 2111 and 2211: 4 USB 2.0, 2 DVI-I, 1 audio mic in, and 1 audio headphone out VXC 2112 and 2212: 4 USB 2.0, 1 DVI-D, 1 VGA, 1 audio mic in, and 1 audio headphone out Full Peripheral Supports is dependent on Power Source, please see Power Requirements Section

Item	Specification
Memory	VXC 2111 and 2211: 8MB SPI Flash and 128MB XDR RAM VXC 2112 and 2212: 128MB Flash and 512MB RAM DDR2
Included Accessories	<ul style="list-style-type: none"> Enhanced USB keyboard [Localized Variants] and USB optical mouse Cisco VXC 2111 Series: 1 DVI-to-VGA cable Cisco VXC 2211 Series: 1 DVI-to-VGA adapter
Mountings	Cisco VXC 2211 and 2212: Optional VESA mounting bracket
Network management	VXC 2111 and 2211: Cisco Virtualization Experience Client Manager or Teradici PCoIP Management Console VXC 2112 and 2212: Cisco Virtualization Experience Client Manager
Network interfaces	RJ-45 network interface with no API
Physical dimensions (H x W x D)	Cisco VXC 2111 and 2112: 75H x 244W x 105D mm Cisco VXC 2211 and 2212: 205H x 75W x 105D mm
Weight	Cisco VXC 2111 and 2112: 29.55 ounces (0.84 kg) Cisco VXC 2211 and 2212: 30.25 ounces (0.86 kg)
Authentication Specification	Cisco VXC 2112 and 2212: 802.1x
Power Sources	External AC to DC supply: AC source full range from 100 to 240 V AC (47 TO 63 Hz), DC Output +48V, 0.9A (Cisco Power Cube 4, 48V power plug) PoE: PoE-802.3AT (25.5W) and PoE-802.3AF (12.95W) Cisco VXC 2111 and 2112 power through Cisco Unified IP Phone 8961, 9951 [*] , and 9971 spine connector interface, which requires the IP phone to be connected to IEEE 802.3AT PoE standard source or Power Cube 4 Cisco VXC 2211 and 2212 power through IEEE 802.3AF or IEEE 802.3AT PoE standard source through RJ-45 network port or Power Cube 4 DC port
Power Consumption	12W-20 W (Depends on connected peripherals)
Temperature range	Operating temperature: 10 to 40°C
Approvals and compliance	Certifications German EKI-ITB 2000, ISO 9241-3/-8 cULus 60950, TÜV-GS, EN 60950 FCC Class B, CE, VCCI, C-Tick WEEE, RoHS Compliant Energy Star [®] Compliant TAA (Trade Authority Act) Compliant IPv6 Client Compatibility (VXC 2112 and VXC 2212 only) USGv6 Client Certification
Cisco Unified Communications support	Desk phone Computer Telephony Integration (CTI) control only
Warranty	3-year limited hardware warranty

^{*} VXC 2100 support is available on IP Phone Model 9951 with Serial number FCH153681E0 and above or VID V05 and above.

Power Requirements and Supported Peripheral Configurations

There are multiple power sources and peripheral configurations that apply to the VXC 2000 series, please see the following admin guides below for each VXC device:

VXC 2212 and 2112 [ICA]:

http://www.cisco.com/en/US/docs/voice_ip_comm/cuipph/vxc/8_5/english/ica_admin/icaadmin_70_214.pdf

VXC 2211 and 2111 [PCoIP]:

http://www.cisco.com/en/US/docs/voice_ip_comm/cuipph/vxc/8_5/english/pcoip_admin/pcoipadmin331_327.pdf

System Requirements

Table 3 lists system requirements for the Cisco VXC 2100 and 2200 Series.

Table 3. System Requirements

Item	Version
Cisco Unified Communications Manager version [*]	Cisco Unified Communications Manager 7.1(3) or later
Cisco Unified IP Phone 8961 or 9900 Series version for Cisco VXC 2100 Series	Cisco Unified IP Phone 9.2(2) or later
Cisco VXC 2111 and 2211	VMware View 4.x and 5.0
Cisco VXC 2112 and 2212	Citrix XenDesktop 4.x and 5.x Citrix XenApp 5.x (32-bit) and 6.0 (64-bit) RDP 6.x and 7.0
Cisco VXC Manager	VXC Manager 4.85 and 4.9

^{*} Cisco UC is Optional for VXC 2211 and VXC 2212

Note: The supported versions listed in Table 3 are dependent on having the latest firmware for each VXC device

Firmware Maintenance Releases

Below are the latest firmware maintenance releases available for the VXC 2000 Series. For more information regarding the new supported features, bug fixes, and current known issues for that maintenance release, please read the Release Notes listed under each firmware release.

VXC 2212 and 2112 [ICA]

N/A

VXC 2211 and 2111 [PCoIP]

[3.5.1 - PCoIP Zero Client Firmware Release \(May 2012\)](#)

http://www.cisco.com/en/US/docs/voice_ip_comm/cuipph/vxc/8_5/english/pcoiprn/351/pcoiprn_351.pdf

Ordering Information

Table 4 provides ordering information. To place an order, visit the Cisco Ordering homepage. To download software, visit the Cisco Software Center.

Table 4. Ordering Information

Product Name	Part Number
Cisco Virtualization Experience Client 2111 - White Bundle	CVXC-2111W-K9-BDL=
Cisco Virtualization Experience Client 2111 - Charcoal Bundle	CVXC-2111C-K9-BDL=
Cisco Virtualization Experience Client 2112 - White Bundle	CVXC-2112W-K9-BDL=
Cisco Virtualization Experience Client 2112 - Charcoal Bundle	CVXC-2112C-K9-BDL=
Cisco Virtualization Experience Client 2211 - White Bundle	CVXC-2211W-K9-BDL=
Cisco Virtualization Experience Client 2212 - White Bundle	CVXC-2212W-K9-BDL=

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For More Information

<http://www.cisco.com/go/vxc>




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