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Overview

C3945E-VSEC/K9 is the Cisco 3945E router with Cisco 3945E Voice Sec. Bundle, including PVDM3-64, UC and SEC License.

Quick Specification

Table 1 shows the Quick Specification

Product Code	C3945E-VSEC/K9
Bundle	VDM3-64, UC and SEC License.
Services Performance Engine module	w/SPE 250
Rack Units	3U
Interfaces	WAN : 4 x 10Base-T/100Base-TX/1000Base-T - RJ-45 Management : 1 x console - RJ-45 Management : 1 x console - mini-USB Type B Serial : 1 x auxiliary - RJ-45 USB : 3 x 4 pin USB Type A 1 x 10Base-T/100Base-TX/1000Base-T - RJ-45 2 x SFP (mini-GBIC)
Expansion Slot(s)	3 (total) / 3 (free) x EHWIC 3 (total) / 2 (free) x PVDM 2 (total) / 1 (free) x CompactFlash Card 4 (total) / 3 (free) x service module (SM)
RAM	1 GB (installed) / 2 GB (max)
Flash Memory	256 MB (installed) / 8 GB (max)
Dimensions	18.7 in x 17.2 in x 5.2 in
Net Weight	39 lbs

Figure 1 shows the appearance of the C3945E-VSEC/K9.



Product Details

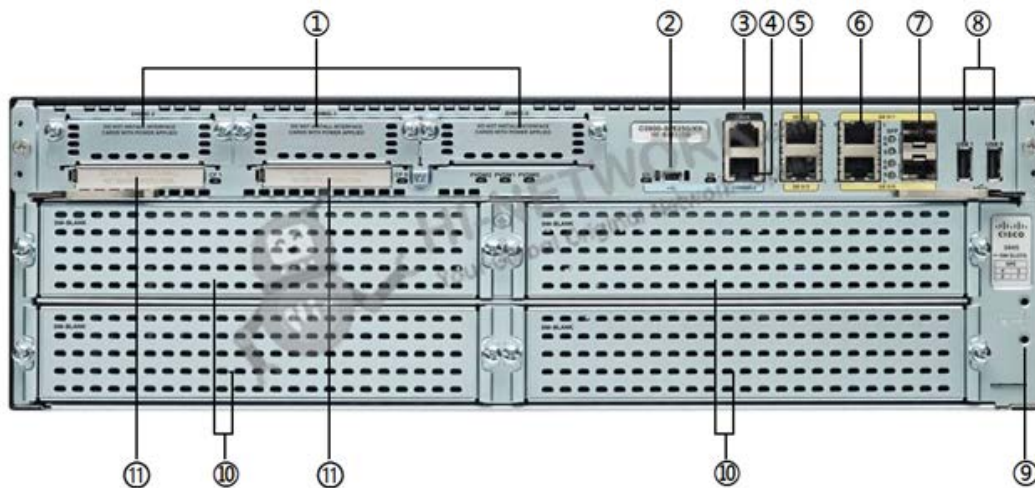
Figure 2 shows the front panel of the C3945E-VSEC/K9.



Note:

(1)	(2)	(3)
On/Off switch	Power connector	LEDs area

Figure 3 shows the back panel of the C3945E-VSEC/K9 with slots and ports.



Note:

(1)	EHWIC 0,1, and 2 (0, far right)	(7)	SFP 1 and SFP 2 (1, Top)
(2)	USB serial port	(8)	USB 0 and USB 1 (1, Left)
(3)	AUX port	(9)	Ground
(4)	RJ-45 serial console port	(10)	Service module slots
(5)	10/100/1000 Ethernet ports (GE 0/3, Top; GE 0/2, Bottom)	(11)	Compact flash 0 and 1 (0, right)
(6)	10/100/1000 Ethernet ports (GE 0/1, Top; GE 0/0, Bottom)		

Table 2 shows Voice Security Bundle Features Table.

Authentication and Encryption Features	<ul style="list-style-type: none"> • Media encryption of voice RTP streams using SRTP • Exchange of RTP Control Protocol (RTCP) information using secure RTCP • SRTP to RTP fallback for calls between secure and insecure endpoints • Secure calls supported in Cisco Unified Survivable Remote Site Telephony (SRST) mode during WAN failover • Compressed RTP (CRTP) supported with media encrypted calls using SRTP
Authentication and Encryption Algorithm	<ul style="list-style-type: none"> • Supports AES-128 encryption algorithm • Supports the HMAC secure hash authentication algorithm (SHA 1)
Signaling Authentication and Encryption Features	<ul style="list-style-type: none"> • Gateway to Cisco Unified Communications Manager signaling and encryption uses IPsec for Media Gateway Control Protocol (MGCP), H.323 and SIP gateways • IP phone to Cisco Unified Survivable Remote Site Telephony router signaling and encryption uses TLS (Transport Layer Security)
Protocol Support	<ul style="list-style-type: none"> • MGCP 0.1 (supports MGCP gateways with Cisco Unified Communications Manager) • H.323 (supported on H.323 gateways and CUBE; Cisco Unified Communications Manager interoperability is optional) • Session Initiation Protocol (SIP) • SCCP (Cisco Unified IP Phone) in SRST mode
Module Support	<ul style="list-style-type: none"> • Any module that has PVDM2, PVDM3 and/or built-in DSP
Codec Support	<ul style="list-style-type: none"> • G.711, G.729A, and G.729

Compare to Similar Items

Table 3 shows the comparison.

Model	C3945E-VSEC/K9	CISCO3945E/k9
SPE	w/SPE 250	w/SPE 250
Interface	4 integrated 10/100/1000 Ethernet ports with 2 SFP ports	4 integrated 10/100/1000 Ethernet ports with 2 SFP ports
Rack Unit	3U	3U
Bundle	Cisco 3945E Voice Sec. Bundle, PVDM3-64, UC and SEC License	None

Get More Information

Do you have any question about the C3945E-VSEC/K9?

Contact us now via info@hi-network.com.

Specification

C3945E-VSEC/K9 Specification	
Manufacturer	Cisco Systems, Inc



Manufacturer Part Number	C3945E-VSEC/K9
Product Type	Router
Form Factor	Desktop - modular - 3U
Connectivity Technology	Wired
Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet
Capacity	Cisco Unified Communications Manager Express sessions: 250 Cisco Unified SRST sessions: 1500
Network / Transport Protocol	IPsec, PPPoE, L2TPv3
Routing Protocol	OSPF, IS-IS, BGP, EIGRP, DVMRP, PIM-SM, IGMPv3, GRE, PIM-SSM, static IPv4 routing, static IPv6 routing, policy-based routing (PBR)
Remote Management Protocol	SNMP, RMON
Encryption Algorithm	SSL
Features	Firewall protection, VPN support, MPLS support, Syslog support, content filtering, IPv6 support, Class-Based Weighted Fair Queuing (CBWFQ), Weighted Random Early Detection (WRED), Quality of Service (QoS), Dynamic Multipoint VPN (DMVPN)
Compliant Standards	IEEE 802.3, IEEE 802.1Q, IEEE 802.1ah, IEEE 802.1ag
DRAM Memory	1 GB (installed) / 2 GB (max)
Flash Memory	256 MB (installed) / 8 GB (max)
LED Status Lights Indicators	Link activity, power
Communications	
Type	Voice / fax module
Digital Ports Qty	64
IP Telephony	
Voice Codecs	G.711, G.722, G.723.1, G.728, G.729, G.729a, G.729ab, G.726
Connectivity Slots	
Router Interfaces	4 x 10Base-T/100Base-TX/1000Base-T - RJ-45 Management: 1 x console - RJ-45 Management: 1 x console - mini-USB Type B Serial: 1 x auxiliary - RJ-45 USB: 2 x 4 pin USB Type A 2 x SFP (mini-GBIC)
Expansion Slot(s)	3 (total) / 3 (free) x EHWIC 3 (total) / 2 (free) x PVDM 2 (total) / 1 (free) x CompactFlash Card
Power Supply	
Power Device	Power supply - internal
Voltage Required	AC 120/230 V (50/60 Hz)
Dimensions / Weight / Miscellaneous	
Approximate Width	18.7 in
Depth	17.2 in
Height	5.2 in





Weight	39 lbs
Compliant Standards	CISPR 22 Class A, CISPR 24, EN55024, EN55022 Class A, EN50082-1, AS/NZS 60950-1, AS/NZ 3548 Class A, CAN/CSA-E60065-00, ICES-003 Class A, FCC CFR47 Part 15, EN300-386, UL 60950-1, IEC 60950-1, EN 60950-1, CSA C22.2 No. 60065, BSMI CNS 13438
System software	
Software Included	Cisco IOS Unified Communications, Cisco IOS Security

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