

Eudemon200E-X Series Unified Security Gateway





Product Overview

As a new-generation unified security gateway, Huawei Eudemon200E-X Series product family transforms today's Small Business and Enterprise's workspace experience by delivering them high performance routing and switching, strong security enhancement, wireless access and voice business in an integrated single platform.

HUAWEI Eudemon200E-X series products using Huawei's unified software platform which named VRP, providing a combination of traditional network access and network security integration business standards. In addition to a strong routing and switching

features, Unified Security Gateway Eudemon200E-X with a variety of professional security features including stateful firewall, VPN, Network Address Translation (NAT), authentication, access control, anti-virus, anti-spam, URL filtering, IPS, application security and other security features can protect the network against DDoS attacks, worms, Trojan horses, viruses, spam, illegal invasion and illegal networks. These safety features and wide area network WAN, local area network LAN, wireless WAN and wireless LAN WLAN WWAN interface provides a high degree of integration makes the sustainability of flexible end to end security services become a reality.

Product Description

Pictures	Model	Location
	Eudemon200E-X1/X1W/X1AGW	Enterprise remote sites, office users
	Eudemon200E-X2/X2W	SMEs, branch offices or small-scale users
	Eudemon200E-X3 Eudemon200E-X5	Small and medium-sized enterprise branch offices or corporate headquarters users
	Eudemon200E-X6	Corporate headquarters or large branch office users
	Eudemon200E-X7	

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Product Features

Leading infrastructure platforms

- Eudemon200E-X series products using advanced multi-threaded multi-core hardware architectures and parallel processing technology to optimize the safety of business processes, making the Eudemon200E-X series products sufficient to meet all kinds of large-scale application of network traffic. Mature VRP software platform Eudemon200E-X Series products provide a robust operating system, a user's most trusted security operating system.

Extensive routing, switching, wireless (Wi-Fi, 3G) and security

- Eudemon200E-X series of products set routing, switching, wireless (Wi-Fi, 3G), voice, security functions into one, integrating the traditional routers, traditional switches, the deployment of traditional firewall and UTM solutions can help companies improve efficiency, reduce maintenance complexity, and reduce TCO.

Comprehensive dedicated technologies for network protection

- Integrated UTM functions:
 - **IPS:** IPS Intrusion detection using Symantec's advanced IPS detection engines to provide efficient and accurate network packet scanning capability, with advanced software and hardware platforms and rich signature library, Eudemon200E-X series products can quickly and accurately identify attacks.
 - **AV:** efficiently and precisely detects and removes hidden

viruses in network traffic by virtue of Symantec cutting-edge virus detection engine.

- **AS:** effectively blocks spam and purifies enterprises' mail systems, thus preventing spam from interfering with normal services.
- **URL filtering and P2P/IM control:** precisely identifies access to illegitimate Web sites and over 60 P2P/IM applications, and provides alerting, traffic limiting, and blocking actions to guarantee bandwidth for normal services.

Diversified VPNs

- The Eudemon200E-X delivers powerful VPN function, and supports the following common VPNs for differentiated VPN applications:
 - L2TP
 - IPSec VPN
 - Dynamic VPN (DVPN)
 - SSL VPN
 - GRE
 - MPLS VPN

Flexible scalability

- Eudemon200E-X series products support MIC, FIC, DFIC three types of expansion slot that can support the FE, GE, E1/CE1, SA, ADSL2+, G. SHDSL, WIFI, 3G, GPON and other access ways into the Internet to provide users with a wealth of access.

Product Specifications

Model	Eudemon200E-X1/X1W	Eudemon200E-X1AGW	Eudemon200E-X2/X2W
WAN Interface for standard configuration	2*10/100 WAN	1*10/100 WAN, 1ADSL	1*10/100 WAN
LAN Interface for standard configuration	8*10/100 LAN	8*10/100 LAN	8*10/100 LAN
Maximum number of interfaces	10FE	9FE	14FE
Extension slot	/		1 MIC
Firewall packets per second (64bytes)	120K pps		160K pps
Firewall throughput (Max)	180M bps		200M bps
Firewall throughput (IMIX)	40M bps		40M bps
IPsec VPN performance	40M bps		50M bps
Number of new connections per second	2000		3,000
Number of concurrent connections	100,000		200,000

Eudemon200E-X Series Unified Security Gateway

Model	Eudemon200E-X1/X1W	Eudemon200E-X1AGW	Eudemon200E-X2/X2W
Maximum number of Acl	3000		3000
USB interfaces	1 (v2.0)		1 (v2.0)
L2TP/GRE/SSL/IPSec VPN	Y		Y
Maximum number of IPSEC VPN tunnel	64		64
Number of concurrent SSL VPN users	20		20
MPLS VPN	Y		Y
Wi-Fi	N/Y		N/Y
3G	Y	WCDMA/CDMA2000	Y
VLANs	15		15
MAC table size	2K		4K
IPS	Y		Y
AV	Y		Y
AS	Y		Y
URL	Y		Y
IPv6	Y		Y
Hardware Encryption	Y		Y
Interface module	/		FE, ADSL2+, G.SHDSL, E1/CE1, SA, 3G
3G Interface Rate	/		Uplink: 5.76Mbit/s Downlink: 7.2Mbit/s
3G Interface Support Band (MHz)	/		UMTS/HSPA: 850/1900/2100
Dimensions (W x D x H)	280mm×190mm×35mm		420mm×255mm×44.45mm
Weight	<2.0 kg		5.0 kg
Voltage	AC: 100~240V 50/60Hz		AC: 100~240V 50/60Hz
MTBF	12.67 years		12.67 years

Model	Eudemon200E-X3	Eudemon200E-X5	Eudemon200E-X6	Eudemon200E-X7
WAN Interface for standard configuration	2GE-Combo	2GE-Combo	2GE+2GE-Combo	4GE-Combo
Maximum number of interfaces	22GE+20FE	22GE+20FE	64GE+28FE	84GE+28FE
Extension slot	4 MIC+2 FIC	4 MIC+2 FIC	2DFIC+2FIC+4MIC	4DFIC+2FIC+4MIC
Firewall packets per second (64bytes)	360K pps	490K pps	950K pps	1.5M pps
Firewall throughput (Max)	900M bps	1.5G bps	2G bps	3.9G bps
Firewall throughput (IMIX)	600M bps	800M bps	1.5G bps	2G bps
IPsec VPN performance	300M bps	500M bps	1G bps	2G bps
Number of new connections per second	20,000	20,000	40,000	40,000
Number of concurrent connections	1,000,000	1,000,000	1,200,000	1,200,000
Maximum number of Acl	20,000	20,000	20,000	20,000
USB interfaces	2 (v2.0)	2 (v2.0)	2 (v2.0)	2 (v2.0)
L2TP/GRE/SSL/IPSec VPN	Y	Y	Y	Y
Maximum number of IPSEC VPN tunnel	2000	2000	2000	2000
Number of concurrent SSL VPN users	100	100	150	200
MPLS VPN	Y	Y	Y	Y
Wi-Fi	Y	Y	Y	Y

Eudemon200E-X Series Unified Security Gateway

Model	Eudemon200E-X3	Eudemon200E-X5	Eudemon200E-X6	Eudemon200E-X7
3G	Y	Y	Y	Y
VLANs	4094	4094	4094	4094
MAC table size	16K	16K	16K	16K
IPS	Y	Y	Y	Y
AV	Y	Y	Y	Y
AS	Y	Y	Y	Y
URL	Y	Y	Y	Y
Ipv6	Y	Y	Y	Y
Hardware Encryption	Y	Y	Y	Y
Interface module	FE, GE, ADSL2+, G.SHDSL, E1/CE1, SA, 3G, GPON, FXS			
3G Interface Rate	Uplink: 5.76Mbit/s Downlink: 7.2Mbit/s			
3G Interface Support Band (MHz)	UMTS/HSPA: 850/1900/2100			
Dimensions (WxDxH)	442mm×420mm× 44.45mm	442mm×420mm× 44.45mm	442mm×414mm× 86.1mm	442mm×414mm× 130.5mm
Weight	5.4 kg	5.4 kg	6.5 kg	8.3 kg
Voltage	AC: 85~264V 50/60Hz	AC: 85~264V 50/60Hz DC: -48~-60V	AC: 100~240V 50/60Hz DC: -48~-60V	AC: 100~240V 50/60Hz DC: -48~-60V
MTBF	12.67 years	12.67 years	12.67 years	12.67 years

Software Model	Eudemon200E-X
Basic Firewall Features	
Working mode	Transparent, routing, and hybrid
ASPF	Y
Access control	Y
Status validity check	Y
Blacklist and whitelist	Y
Security zone division	Y
Application protocol identification	Y
Anti-DDoS	
Bidirectional defense	Y
Dynamic fingerprint learning	Y
SYN flood	Y
SYN-ACK flood	Y
UDP flood	Y
HTTP flood	Y
Connection flood	Y
ICMP flood	Y
NAT	
Destination NAT/PAT	Y
Destination IP address (for NAT) on the same subnet with the IP address of the interface serving as the ingress	Y
Destination IP addresses and port numbers corresponding to one IP address and a specific port number (M:1P)	Y
Destination IP addresses corresponding to one IP address (M:1)	Y

Eudemon200E-X Series Unified Security Gateway

Software Model	Eudemon200E-X
Destination IP addresses corresponding to multiple IP addresses (M:M)	Y
No-PAT	Y
PAT	Y
Permanent mapping between addresses before and after NAT	Y
Address grouping of the source IP address pool	Y
NAT for source IP addresses beyond the interface subnet range	Y
NAT Server	Y
Bidirectional NAT	Y
NAT ALG	Y
Extended NAT (infinite addresses)	Y
Policy-based destination NAT	Y
IPSec VPN	
DES, 3DES, AES, 3DES+SHA1, AES+SHA1, 3DES+MD5 and AES+ MD5 encryption	Y
MD5 and SHA-1 authentication	Y
Manually configured key, PKI, and IKEv2	Y
Perfect Forward Secrecy (DH group)	1, 2, 5
Anti-replay attack	Y
Remote VPN access	Y
EAP authentication	Y
High Availability	
Master/Slave, master/master	Y
Configuration synchronization	Y
Firewall and IPSec VPN sessions synchronization	Y
Device fault detection	Y
Link fault detection	Y
User Identity Authentication and Access Control	
Built-in (internal) database	Y
RADIUS accounting	Y
Web-based authentication	Y
Public Key Infrastructure (PKI)	
PKI certificate format (PKCS #7 and #10)	Y
Automatic certificate registration (SCEP)	Y
Certificate Authority (CA)	Y
Self-signed certificate	Y
Routing	
BGP	Y
OSPF	Y
Dynamic routing	Y
Static routing	Y
Source-based routing	Y
Policy-based routing	Y
Routing policy	Y

Eudemon200E-X Series Unified Security Gateway

Software Model	Eudemon200E-X
Route iteration	Y
IPv6 Security	
OSPFv3	Y
BGP4+	Y
IPv6 IS-IS	Y
IPv6 policy-based routing	Y
GRE for BPG/OSPFv3/IS-IS	Y
Standard IPv6 ACL	Y
Extended IPv6 ACL	Y
IPv6 interface statistics	Y
NAT-PT (4 to 6 and 6 to 4)	Y
IPv6 ND/SEND	Y
Management	
Web UI (HTTP/HTTPS)	Y
CLI (console)	Y
CLI (Telnet)	Y
CLI (SSH)	Y
U2000/VSM	Y
Hierarchical administrators	Y
Software upgrade	Y
Configuration rollback	Y
Logging/Monitoring	
Structured system log	Y
SNMPv3	Y
Binary log	Y
Complementary log server (eLog)	Y

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