

| BUSINESS



ER7212PC New
Omada 3-in-1 Gigabit VPN Router

HARDWARE FEATURES

Standards and Protocols	• IEEE 802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE 802.3x, IEEE 802.1q • TCP/IP, DHCP, ICMP, NAT, PPPoE, NTP, HTTP, HTTPS, DNS, IPSec, PPTP, L2TP, SNMP
Interface	• 2 Gigabit SFP WAN/LAN ports • 1 Gigabit WAN port • 1 Gigabit LAN/WAN port • 8 Gigabit LAN ports

HARDWARE FEATURES

Network Media	• 10BASE-T: UTP category 3, 4, 5 cable (Max 100 m) EIA/TIA-568 100Ω STP (Max 100 m) • 100BASE-TX: UTP category 5, 5e cable (Max 100 m) EIA/TIA-568 100Ω STP (Max 100 m) • 1000BASE-T: UTP category 5, 5e, 6 cable (Max 100 m)
Fan Quantity	Fanless
Button	Reset Button
Power Supply	53.5VDC/2.43A Adapter
PoE Budget	8 ports PoE+ output, 110 W PoE Budget
Flash	8Mb Nor + 4 GB EMMC
DRAM	1 GB DDR3
Dimensions (W x D x H)	8.9 × 5.2 × 1.4 in (226 × 131 × 35 mm)
Protection	4 kV surge protection
Enclosure	Steel
Mounting	Desktop/Wall-mount

PERFORMANCE

Concurrent Session	24,980
New Sessions /Second	1,900
NAT (Static IP)	935.5 Mbps / 942.1 Mbps
NAT(DHCP)	940.2 Mbps / 941.7 Mbps
NAT(PPPoE)	913.1 Mbps / 935.2 Mbps
NAT (L2TP)	545.0 Mbps / 912.7 Mbps
NAT (PPTP)	523.0 Mbps / 912.8 Mbps
IPsec VPN Throughput (AES256)	168.5 Mbps
OpenVPN	34 Mbps
L2TP VPN Throughput	• Unencrypted: 845.3 Mbps • Encrypted: 333.2 Mbps
PPTP VPN Throughput	• Unencrypted: 1012.6 Mbps

PERFORMANCE

	• Encrypted: 401.4 Mbps
66 Byte Packet forwarding rate	154,069 pps / 156,977 pps
1,518 Byte Packet forwarding rate	81,193 pps / 81,193 pps

BASIC FUNCTIONS

WAN Connection Type	• Static IP • Dynamic IP • PPPoE • PPTP • L2TP
DHCP	• DHCP Server • DHCP Address Reservation • Multi-IP Interfaces • Multi-Net DHCP
IPv6	support
VLAN	802.1Q VLAN
IPTV	IGMP v2/v3 Proxy

ADVANCED FUNCTIONS

Advanced Routing	• Static Routing • Policy Routing
Bandwidth Control	IP/Port-based Bandwidth Control
Load Balance	• Intelligent Load Balance • Application Optimized Routing • Link Backup • Online Detection
NAT	• Multi-Net NAT • Virtual Server • NAT-DMZ • FTP/H.323/SIP/IPSec/PPTP ALG • UPnP
Session Limit	IP-based Session Limit

VPN

IPsec VPN	• 20 IPsec VPN Tunnels • LAN-to-LAN, Client-to-LAN • Main, Aggressive Negotiation Mode • AES128, AES192, AES256 Encryption Algorithm • IKE v1/v2 • SHA1, SHA2 Authentication Algorithm • NAT Traversal (NAT-T) • Dead Peer Detection (DPD) • Perfect Forward Secrecy (PFS)
PPTP VPN	• PPTP VPN Server • PPTP VPN Client (10) • 16 Tunnels • PPTP with MPPE Encryption
L2TP VPN	• L2TP VPN Server • L2TP VPN Client (10) • 16 Tunnels • L2TP over IPsec
OpenVPN	• OpenVPN Server • OpenVPN Client (10) • 16 OpenVPN Tunnels

SECURITY

Filtering	URL Filtering
Attack Defense	• TCP/UDP/ICMP Flood Defense • Block TCP Scan (Stealth FIN/Xmas/Null) • Block Ping from WAN
Access Control	Source/Destination IP Based Access Control

AUTHENTICATION

Web Authentication	• No Authentication • Simple Password • Hotspot (Local User / Voucher / SMS / Radius) • External Radius Sever • External Portal Sever • Facebook
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MANAGEMENT

Omada App	Yes
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MANAGEMENT

Cloud Access	Yes
Service	Dynamic DNS (Dyndns, No-IP)
Maintenance	• Web Management Interface • Remote Management • Export & Import Configuration • SNMP v1/v2c/v3 • Syslog Support
Management Features	• Automatic Device Discovery • Intelligent Network Monitoring • Abnormal Event Warnings • Unified Configuration • Reboot Schedule • Captive Portal Configuration • Management up to 1 Router, 2 Switches and 10 EAPs

OTHERS

Certification	CE, FCC, RoHS
Package Contents	• ER7212PC • Power Adapter • Power Cord • Quick Installation Guide
System Requirements	• Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 7/8/8.1/10 • MAC OS, NetWare, UNIX or Linux
Environment	• Operating Temperature: 0 °C to 45 °C (32 °F to 113 °F) • Storage Temperature: -40 °C to 70 °C (-40 °F to 158 °F) • Operating Humidity: 10% to 90% non-condensing • Storage Humidity: 5% to 90% non-condensing

*PoE budget calculations are based on laboratory testing. Actual PoE power budget is not guaranteed and will vary as a result of client limitations and environmental factors.

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