

| BUSINESS

Routere VPN | ER8411

Descriere

Specificații Tehnice

Suport Tehnic

[Cumpără online](#)

## CARACTERISTICI HARDWARE

Standarde și Protocoale	<ul style="list-style-type: none"> <li>• IEEE 802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE 802.3x, IEEE 802.1q</li> <li>• TCP/IP, DHCP, ICMP, NAT, PPPoE, NTP, HTTP, HTTPS, DNS, IPSec, PPTP, L2TP, OpenVPN, SNMP</li> </ul>
Interfață	<ul style="list-style-type: none"> <li>• 2× Porturi 10GE SFP+ (1× WAN, 1× WAN/LAN)</li> <li>• 1× Port WAN/LAN SFP Gigabit</li> <li>• 8× Porturi WAN/LAN RJ45 Gigabit</li> <li>• 1× Port RJ45 pe consolă</li> <li>• 2× Porturi USB 3.0 (se poate conecta un Modem 4G/3G Modem pentru Backup LTE WAN)</li> </ul>
Rețea media	<ul style="list-style-type: none"> <li>• 10BASE-T: UTP category 3, 4, 5 cable (Max 100 m) EIA/TIA-568 100Ω STP (Max 100 m)</li> <li>• 100BASE-TX: UTP category 5, 5e cable (Max 100 m) EIA/TIA-568 100Ω STP (Max 100 m)</li> <li>• 1000BASE-T: UTP category 5e, 6 cable (Max 100 m)</li> </ul>
Număr ventilatoare	2
Butoane	Buton resetare
Alimentator	Surse duale de alimentare (100–240 VAC, 50/60 Hz)
Buget PoE	-
Flash	4MB SPI NOR + 256 MB NAND
DRAM	4 GB DDR4
LED	PWR, SYS, WAN, LAN, USB, FAN
Dimensiuni (L x l x H)	440 × 220 × 44 mm (17.3 × 8.7 × 1.7 inch)
Protecție	4 kV surge protection
Carcasă	Steel
Montare	Rack Mountable
Consum maxim	<ul style="list-style-type: none"> <li>• 26.36 W (cu USB 3.0 conectate)</li> <li>• 19.12 W (fără USB 3.0 conectate)</li> </ul>

## PERFORMANȚĂ

Sesiuni Concomitente

2.300.000

<b>PERFORMANȚĂ</b> New Sessions / Second	20,000
NAT (Static IP)	<ul style="list-style-type: none"> <li>• Upload: 9445.82 Mbps</li> <li>• Download: 9449.26 Mbps</li> </ul>
NAT(DHCP)	<ul style="list-style-type: none"> <li>• Upload: 9426.83 Mbps</li> <li>• Download: 9426.20 Mbps</li> </ul>
NAT(PPPoE)	<ul style="list-style-type: none"> <li>• Upload: 9413.96 Mbps</li> <li>• Download: 9102.01 Mbps</li> </ul>
NAT (L2TP)	<ul style="list-style-type: none"> <li>• Upload: 9064.66 Mbps</li> <li>• Download: 8587.57 Mbps</li> </ul>
NAT (PPTP)	<ul style="list-style-type: none"> <li>• Upload: 8712.11 Mbps</li> <li>• Download: 8505.61 Mbps</li> </ul>
64 Byte Packet Forwarding Rate	<ul style="list-style-type: none"> <li>• Upload: 1080 Mbps</li> <li>• Download: 1030 Mbps</li> </ul>
IPsec VPN Throughput	<ul style="list-style-type: none"> <li>• ESP-SHA1-AES256: 3099.4 Mbps</li> <li>• ESP-SHA256-AES256: 2928.4 Mbps</li> <li>• ESP-SHA384-AES256: 2935.7 Mbps</li> <li>• ESP-SHA512-AES256: 2878 Mbps</li> </ul>
OpenVPN	4424.1 Mbps
L2TP VPN Throughput	<ul style="list-style-type: none"> <li>• Unencrypted: 10497 Mbps</li> <li>• Encrypted: 3178.5 Mbps</li> </ul>
PPTP VPN Throughput	<ul style="list-style-type: none"> <li>• Unencrypted: 10143 Mbps</li> <li>• Encrypted: 952 Mbps</li> </ul>
SSL VPN Throughput	4486 Mbps
66 Byte Packet forwarding rate	-
1,518 Byte Packet forwarding rate	<ul style="list-style-type: none"> <li>• Upload: 9970 Mbps</li> <li>• Download: 9970 Mbps</li> </ul>
<b>FUNȚII DE BAZĂ</b>	
Tip Conexiune WAN	<ul style="list-style-type: none"> <li>• Static/Dynamic IP</li> <li>• PPPoE</li> <li>• PPTP</li> <li>• L2TP</li> <li>• 6to4 Tunnel</li> <li>• Pass-Through</li> <li>• Mobile Broadband: Modem 4G/3G pentru backup via port USB</li> </ul>
Clonare MAC	Modify WAN/LAN MAC Address*4

FUNCTII DE BAZĂ	
DHCP	<ul style="list-style-type: none"> <li>• DHCP Server/Client</li> <li>• DHCP Address Reservation</li> <li>• Multi-net DHCP</li> <li>• Multi-IP Interfaces</li> </ul>
IPv6	WAN Connection
VLAN	802.1Q VLAN
IPTV	IGMP v2/v3 Proxy
FUNCTII AVANSATE	
ACL	IP/Port/Protocol/Domain Name Filtering
Advanced Routing	<ul style="list-style-type: none"> <li>• Static Routing</li> <li>• Policy Routing</li> </ul>
Controlul Lățimii de Bandă	<ul style="list-style-type: none"> <li>• IP/Port-based Bandwidth Control</li> <li>• Guarantee &amp; Limited Bandwidth</li> </ul>
Echilibrarea Traficului	<ul style="list-style-type: none"> <li>• Intelligent Load Balance</li> <li>• Application Optimized Routing</li> <li>• Link Backup (Timing*<sup>5</sup>, Failover)</li> <li>• Online Detection</li> </ul>
NAT	<ul style="list-style-type: none"> <li>• One-to-One NAT*<sup>5</sup></li> <li>• Multi-Net NAT</li> <li>• Virtual Server</li> <li>• Port Triggering*<sup>5</sup></li> <li>• NAT-DMZ</li> <li>• FTP/H.323/SIP/IPSec/PPTP ALG</li> <li>• UPnP</li> </ul>
Securitate	<ul style="list-style-type: none"> <li>• SPI Firewall</li> <li>• VPN Passthrough</li> <li>• FTP/H.323/PPTP/SIP/IPsec ALG</li> <li>• DoS Defence, Ping of Death</li> <li>• Local Management</li> </ul>
Session Limit	IP-based Session Limit
VPN	
SSL VPN	<ul style="list-style-type: none"> <li>• SSL VPN Server</li> <li>• SSL VPN Client</li> <li>• 500 OpenVPN Tunnels</li> </ul>
VPN IPsec	<ul style="list-style-type: none"> <li>• 300 IPsec VPN Tunnels</li> <li>• LAN-to-LAN, Client-to-LAN</li> </ul>

## VPN

	<ul style="list-style-type: none"> <li>• Main, Aggressive Negotiation Mode</li> <li>• DES, 3DES, SHA1, SHA256, SHA384, SHA512, AES128, AES192, AES256 Encryption Algorithm</li> <li>• IKE v1/v2</li> <li>• MD5, SHA1 Authentication Algorithm</li> <li>• NAT Traversal (NAT-T)</li> <li>• Dead Peer Detection (DPD)</li> <li>• Perfect Forward Secrecy (PFS)</li> </ul>
VPN PPTP	<ul style="list-style-type: none"> <li>• PPTP VPN Server</li> <li>• PPTP VPN Client (32)*<sup>6</sup></li> <li>• 300 Tunnels (Shared with L2TP)</li> <li>• PPTP with MPPE Encryption</li> </ul>
VPN L2TP	<ul style="list-style-type: none"> <li>• L2TP VPN Server</li> <li>• L2TP VPN Client (32)*<sup>6</sup></li> <li>• 300 Tunnels (Shared with PPTP)</li> <li>• L2TP over IPSec</li> </ul>
OpenVPN	<ul style="list-style-type: none"> <li>• OpenVPN Server</li> <li>• OpenVPN Client (10)*<sup>6</sup></li> <li>• 110 OpenVPN Tunnels</li> </ul>

## SECURITATE

Filtrare	<ul style="list-style-type: none"> <li>• WEB Group Filtering*<sup>5</sup></li> <li>• URL Filtering</li> <li>• Web Security*<sup>5</sup></li> </ul>
Inspecție ARP	<ul style="list-style-type: none"> <li>• Sending GARP Packets*<sup>5</sup></li> <li>• ARP Scanning*<sup>5</sup></li> <li>• IP-MAC Binding*<sup>5</sup></li> </ul>
Protecție Atacuri	<ul style="list-style-type: none"> <li>• TCP/UDP/ICMP Flood Defense</li> <li>• Block TCP Scan (Stealth FIN/Xmas/Null)</li> <li>• Block Ping from WAN</li> </ul>
Access Control	Source/Destination IP Based Access Control

## AUTHENTICATION

Web Authentication	<ul style="list-style-type: none"> <li>• No Authentication</li> <li>• Simple Password*<sup>2</sup></li> <li>• Hotspot (Local User / Voucher*<sup>2</sup> / SMS*<sup>2</sup> / Radius*<sup>2</sup>)</li> <li>• External Radius Sever</li> <li>• External Portal Sever*<sup>2</sup></li> <li>• Instagram Follow*<sup>2</sup></li> </ul>
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## MANAGEMENT

Omada App	Da (prin OC300, OC200, Omada Cloud-Based Controller sau Omada Software Controller)
Centralized Management	<ul style="list-style-type: none"> <li>• Omada Hardware Controller (OC300)</li> <li>• Omada Hardware Controller (OC200)</li> <li>• Omada Software Controller</li> <li>• Omada Cloud-Based Controller</li> </ul>
Cloud Access	Da (prin OC300, OC200, Omada Cloud-Based Controller sau Omada Software Controller)
Servicii	Dynamic DNS (Dyndns, No-IP, Peanuthull, Comexe)
Mentenanță	<ul style="list-style-type: none"> <li>• Web Management Interface</li> <li>• Remote Management</li> <li>• Export &amp; Import Configuration</li> <li>• SNMP v1/v2c/v3</li> <li>• Diagnostics (Ping &amp; Traceroute)*<sup>5</sup></li> <li>• NTP Synchronize*<sup>5</sup></li> <li>• Syslog Support</li> </ul>
Zero-Touch Provisioning	Da. Necesită utilizarea unui Omada Cloud-Based Controller.
Management Features	<ul style="list-style-type: none"> <li>• Automatic Device Discovery</li> <li>• Intelligent Network Monitoring</li> <li>• Abnormal Event Warnings</li> <li>• Unified Configuration</li> <li>• Reboot Schedule</li> <li>• Captive Portal Configuration</li> </ul>

## ALTELE

Certificări	CE, FCC, RoHS
Conținut Pachet	<ul style="list-style-type: none"> <li>• ER8411</li> <li>• Cablu de alimentare</li> <li>• Kit de montare în rack</li> <li>• Ghid de instalare rapidă</li> </ul>
Cerințe de sistem	Microsoft Windows 98SE, NT, 2000, XP, Vista™ sau Windows 7/8/8.1/10/11, MAC OS, NetWare, UNIX sau Linux
Mediu	<ul style="list-style-type: none"> <li>• Temperatură de funcționare: 0–40 °C (32–104 °F);</li> <li>• Temperatură de depozitare: -40–70 °C (-40–158 °F)</li> <li>• Umiditate mediu operare: 10–90% RH fără condens</li> <li>• Umiditate mediu depozitare: 5–90% RH fără condens</li> </ul>

Pentru informații adiționale cu privire la versiune, te rugăm să vizitezi pagina de suport tehnic.

<sup>1</sup>Cel puțin un port WAN/LAN trebuie să opereze ca și port LAN.

<sup>2</sup>Aceste funcții necesită utilizarea unui Omada Hardware Controller, Software Controller sau Cloud-Based Controller.

<sup>3</sup>Zero-Touch Provisioning necesită utilizarea Omada Cloud-Based Controller. Accesează [lista cu echipamente compatibile](#) pentru a vedea toate modelele compatibile cu Omada Cloud-Based Controller.

<sup>4</sup>LAN MAC Address poate fi modificată doar în Standalone Mode.

<sup>5</sup>Aceste funcții sunt suportate doar în Standalone Mode.

<sup>6</sup>ER8411 poate opera ca și client VPN și poate conecta până la 32× servere VPN PPTP/L2TP și 10× servere OpenVPN.

<sup>7</sup>Pentru lista completă de modemuri 4G/3G compatibile, accesează [www.tp-link.com/er8411/compatibility/](http://www.tp-link.com/er8411/compatibility/).

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