Product Overview
The Edge-Core VR-100 is a 10/100 8-port dual-WAN VPN Router which contains 2 WAN ports and 8 Ethernet 10/100 LAN ports and mainly supports SMB/enterprise business network with a high security VPN. The router brings high-speed network security to enterprise businesses, remote users, service providers, and data centers. The Edge-Core VR-100 design combines firewall, VPN support, NAT, and powerful traffic management with Fast Ethernet connections to provide consistent network infrastructure security.

Key Features and Benefits

Backup WAN Interface
With the unique 2 WAN ports, the Edge-Core VR-100 can have a backup WAN interface. It supports Smart Link Backup and Load Balance for Dual WAN management and this feature enhances the robustness. Or use both Internet ports at the same time, and let the router to balance your office’s requirements between them for maximum bandwidth efficiency. The extra WAN port also can be assigned as a DMZ port. Users can configure 2 WAN ports or 1 WAN port with one dedicated DMZ port.

Advanced Firewall Security
The Edge-Core 10/100 8-port VPN Router built-in advanced firewall features can resist various kinds of malicious attacks and curious intruders. It uses Stateful Packet Inspection (SPI) to examine all data packets based on the established security policies. It also provides automatic protection from Denial of Service (DoS) attacks such as SYN flooding, IP Spoofing, LAND attack, ping of death and all reassembly attacks. The NAT functionality with firewall conceals network address avoiding the disclosure as public information and also provides a solution for IP address depletion problem. The Edge-Core VR-100 also has the reverse NAT capabilities that enable users to host various internet services in the private IP address space, such as web servers, e-mail servers, etc.

VPN Management
The VPN in the VR-100 provides the security for transferring important data. It supports up to 100 VPN tunnels and 2 Group VPNs. Its Group VPN feature facilitates the setup and it’s not necessary for network administrators to individually configure remote VPN clients. It provides the Authentication Header (AH) and Encapsulating Security Payload (ESP) protocols for automatic key management and confidentiality, authentication and integrity for data stream.

Network Management
The Edge-Core 10/100 8-port VPN Router provides network users with a web-based user interface, which is flexible, effective, and easy to use. Furthermore, network administrators can easily control, manage and monitor the network’s conditions through this web-based interface.
<table>
<thead>
<tr>
<th><strong>Hardware Features</strong></th>
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<tbody>
<tr>
<td><strong>Standard</strong></td>
<td>IEEE 802.3, IEEE 802.3u</td>
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<tr>
<td><strong>WAN</strong></td>
<td>2 RJ-45 10/100Base-T Ethernet Ports</td>
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<tr>
<td><strong>LAN</strong></td>
<td>8 RJ-45 10/100Base-T Ethernet ports</td>
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<tr>
<td><strong>CPU</strong></td>
<td>Intel IXP425-533MHz</td>
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<tr>
<td><strong>SDRAM</strong></td>
<td>32 Mbytes SDRAM</td>
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<tr>
<td><strong>Flash ROM</strong></td>
<td>16 Mbytes Flash</td>
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<tr>
<td><strong>Internal Power</strong></td>
<td>Input AC100~240V, 0.4A; Output DC 3.3V / 3A</td>
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<tr>
<td><strong>EMI/EMC</strong></td>
<td>FCC Class B, CE Class B</td>
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| **Operation Requirement** | Operating Temp. 0oC to 40oC (32oF to 104oF)  
                       | Storage Temp. 0oC to 70oC (32oF to 158oF)  
                       | Operating Humidity 10% to 85% Non-Condensing  
                       | Storage Humidity 5% to 90% Non-Condensing |
| **Dimensions**       | 330.2mm x 228.6mm x 44.45mm (13” x 9” x 1.75”)  |
| **Unit Weight**      | 1.5 kg (3.25 lbs)        |
| **Mounting**         | Desktop or Wall-mounting or Rack-mounting  |
| **Software Features** |  |
| **Firewall Security**| Firewall throughput up to 100 Mbps(Uni-directional)  
                        | IP filtering allows configuring IP address filters  
                        | Port filtering allows configuring TCP/UDP port filters  
                        | Denial of Service (DoS) prevention  
                        | Stateful Packet Inspection (SPI)  
                        | Firewall detection in Ping of Death, SYN Flooding, Land attack, IP Spoofing  
                        | Email Alert for Hacker Attack |
| **VPN Support**      | IPSec VPN  
                        | VPN Throughput up to 95 Mbps  
                        | Up to 100 VPN tunnels support  
                        | Up to 2 Group VPNs support  
                        | Friendly VPN Tunnel Management  
                        | IKE Pre-Shared keys  
                        | IPSec Encryption DES/3DES/AES  
                        | IPSec Authentication MD5/SHA1  
                        | PMTU  
                        | DPD detection  
                        | View Log |
| **Dual-WAN**         | Smart Link Backup  
                        | Load Balance (Auto Mode)  
                        | Network Service Detection  
                        | Protocol binding |
| **Networking**       | Concurrent Sessions up to 20,000  
                        | Dedicated DMZ  
                        | DHCP Client/Server, dynamic IP, static IP support  
                        | TCP/IP  
                        | IP Routing  
                        | PPPoE  
                        | NAT with popular ALG support  
                        | NAT with port forwarding  
                        | NAT with port triggers  
                        | DNS Relay  
                        | DynDNS and 3322 Dynamic DNS support  
                        | ARP  
                        | ICMP  
                        | FTP/TFTP  
                        | Password protected configuration or management sessions for web access  
                        | Smart Link Backup  
                        | Port-based QoS |
| **Network Management**| Comprehensive web based management and policy setting  
                         | SNMP v1/v2c  
                         | Firmware upgrade through Web browser  
                         | Monitoring, Logging, and Alarms of system activities  
                         | Locate and configure all devices with the same subnet |