Product Overview
The Edge-Core VR-50 is a 10/100 4-port Single-WAN VPN Router which contains 1 WAN port, 1 dedicated DMZ port and 4 Ethernet 10/100 LAN ports, and mainly supports small and medium size enterprise business network with a high security VPN. It brings high-speed network security to enterprise businesses, remote users, service providers, and data centers. Its design combines firewall, VPN support, and NAT functionality, to provide consistent network infrastructure security.

Key Features and Benefits

Advance Firewall Security
The Edge-Core 10/100 4-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. It 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 Edge-Core VR-50 provides the security for transferring important data. It supports up to 50 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. The Edge-Core VR-50 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 VR-50 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.

The Magician, Hieronymus Bosch,1475-80
Dr. Robert H. Schuller said, “Let your imagination release imprisoned possibilities.”
For Edge-Core, your imagination is our guide.
**Hardware Features**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</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>1 RJ-45 10/100Base-T Ethernet Port</td>
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<td><strong>DMZ</strong></td>
<td>1 RJ-45 10/100Base-T Ethernet Port</td>
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<td><strong>LAN</strong></td>
<td>4 RJ-45 10/100Base-T Ethernet ports</td>
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<tr>
<td><strong>CPU</strong></td>
<td>Intel IXP425-266MHz</td>
</tr>
<tr>
<td><strong>SDRAM</strong></td>
<td>32 Mbytes SDRAM</td>
</tr>
<tr>
<td><strong>Flash ROM</strong></td>
<td>8 Mbytes Flash</td>
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<tr>
<td><strong>External Power</strong></td>
<td>Input AC120V, 0.3A; Output DC 12V / 1A</td>
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<tr>
<td><strong>EMI/EMC</strong></td>
<td>FCC Class B, CE Class B</td>
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<tr>
<td><strong>Operation Requirement</strong></td>
<td>Operating Temp. 0oC to 40oC (32oF to 104oF)</td>
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<td></td>
<td>Storage Temp. 0oC to 70oC (32oF to 158oF)</td>
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<tr>
<td></td>
<td>Operating Humidity 10% to 85% Non-Condensing</td>
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<tr>
<td></td>
<td>Storage Humidity 5% to 90% Non-Condensing</td>
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<tr>
<td><strong>Dimensions</strong></td>
<td>130mm x 192.6mm x 44mm (5.12” x 7.58” x 1.73”)</td>
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<tr>
<td><strong>Unit Weight</strong></td>
<td>0.576 kg (1.27 lbs)</td>
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**Software Features**

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<tr>
<th>Feature</th>
<th>Specification</th>
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<tbody>
<tr>
<td><strong>Firewall Security</strong></td>
<td>Firewall throughput up to 100 Mbps(Uni-directional)</td>
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<td></td>
<td>IP filtering allows configuring IP address filters</td>
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<td></td>
<td>Port filtering allows configuring TCP/UDP port filters</td>
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<td></td>
<td>Denial of Service (DoS) prevention</td>
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<td></td>
<td>Stateful Packet Inspection (SPI)</td>
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<td></td>
<td>Firewall detection in Ping of Death, SYN Flooding, Land attack, IP Spoofing</td>
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<td>Email Alert for Hacker Attack</td>
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<td><strong>VPN Support</strong></td>
<td>IPSec VPN</td>
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<td></td>
<td>VPN Throughput up to 60 Mbps</td>
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<td>Up to 50 VPN tunnels support</td>
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<td>Up to 2 Group VPNs support</td>
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<td></td>
<td>Friendly VPN Tunnel Management</td>
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<td>IKE Pre-Shared keys</td>
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<td>IPSec Encryption DES/3DES/AES</td>
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<td></td>
<td>IPSec Authentication MD5/SHA1</td>
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<td>MTU support</td>
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<td>View Log</td>
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<tr>
<td><strong>Networking</strong></td>
<td>Concurrent Sessions up to 12,000</td>
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<td>Dedicated DMZ</td>
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<td>DHCP Client/Server, dynamic IP, static IP support</td>
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<td>TCP/IP</td>
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<td>IP Routing</td>
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<td>PPPoE</td>
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<td>NAT with popular ALG support</td>
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<td>NAT with port forwarding</td>
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<td>NAT with port triggers</td>
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<td>DNS Relay</td>
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<td>DynDNS</td>
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<td>ARP</td>
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<td>ICMP</td>
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<td>FTP/TFTP</td>
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<td>Password protected configuration or management sessions for web access</td>
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<td><strong>Network Management</strong></td>
<td>Comprehensive web based management and policy setting</td>
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<td>SNMP v1/v2</td>
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<td>Firmware upgrade through Web browser</td>
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<td>Monitoring, Logging, and Alarms of system activities</td>
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<td>Locate and configure all devices with the same subnet</td>
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