Enterasys Firewall Solutions for the XSR™

- New full-featured, policy-managed firewall for branch offices
-Maintains wire-speed performance while delivering unsurpassed security
- Full protection from a wide range of Denial of Service (DoS) attacks
- An easy-to-deploy, cost-effective solution with flexible management options

- Secure the private network from threats from the Internet
  — Defense in depth protection for all Internet connections
  — Secure enterprise networks from unauthorized access
  — Robust Denial of Service attack protection
- Stateful multilayer packet inspection
  — Incoming and outgoing traffic
  — Pre-interface activation
- Scalable GUI management
  — Extensive management and configuration features
- Enhanced security protection
  — Application-level gateway for your applications
  — Authentication across the firewall
  — Extensive event logging for analysis and forensics

Enterprise-Class Firewall for the Regional and Branch Office

Enterasys Firewall brings a high-performance, policy-managed, stateful inspection, multilayer firewall to the XSR platform. The addition of an enterprise-class firewall complements the XSR’s industry-leading IP WAN routing. Quality of Service, NAT functionality and VPN features, making it ideally suited to remote offices that require connectivity, VPN and firewall functionality.

The most secure approach to protecting critical resources from external or internal threats is a “defense-in-depth” strategy with a distributed firewall at each remote office. The XSR Firewall delivers essential security with policy rules that determine which traffic is permitted and which traffic is denied. The Graphical User Interface simplifies the process by providing a scalable way to define those rules and apply them to multiple remote offices.

With both firewall and VPN enabled, the XSR delivers an unprecedented level of security to the branch or regional office in a single integrated device. And, in contrast to competitive solutions, the XSR offers the power and performance needed to deliver full-featured security while maintaining wire-speed WAN performance.

Meeting Enterprise Security and Connectivity Challenges Head-On

With a rich suite of IP router features, a broad range of WAN interfaces, site-to-site and remote-access VPNs—and now a policy-managed, stateful inspection firewall—the XSR solves the security and connectivity challenges of enterprise branch and regional offices. All sessions offer multiple, embedded LAN interfaces, IPsec, VPN Acceleration hardware and configurable WAN options. Plus, the router performance is blazingly fast with the product line scaling from 35k PPS to 525k PPS. IP features include BGP, OSPF and BGP routing protocols, NAT, QoS and Access Control Lists. Multiprotocol WAN interfaces support Frame Relay, SONET, BRI and PRI, Fractional and Channelized T-1/E-1, Fractional T3/E3, ADSL, Fast Ethernet and fax100 fiber.

NetSight Atlas Router Services Manager

Enterasys NetSight Atlas Router Services Manager allows for the remote definition and deployment of XSR Firewall rules and is an important complement to the XSR Firewall. An advanced plug-in application, NetSight Atlas Router Services Manager provides a fast, easy way to graphically define and configure policies, filter definitions, and network and service objects on the XSR Firewall.
Specifications

Technical Specifications

The Enterasys XSR Firewall incorporates the key characteristics of standalone firewall appliances—including filtering packets at the network layer, determining the legitimacy of IP sessions and evaluating the packet of packets at the application layer. The XSR Firewall delivers industry-leading price-performance ratios and so much more.

The XSR Firewall allows a direct connection between client and host, alleviating the lack of transparency of Application Level Gateways (ALGs). It also employs algorithms to recognize and process Layer 5-7 data. Additional stateful-inspection firewall advantages include:

- Inspection of a packet’s communication and application state, acquired from past communication data throughout all layers. For example, an FTP session’s PORT command can be saved to verify an incoming FTP data connection.
- Dynamic filtering by opening ports only if the configured policy permits and when the application requires.
- Strong security with minimal CPU overhead and fast performance because stateful inspection is implemented in the kernel.
- An Application Layer Gateway (ALG) to support applications that dynamically allocate ports for secondary data streams. ALGs apply stateful inspection to complex protocols such as FTP and TFTP, H.323, RPC, DHCP Relay, GRE for NAPT, etc.
- Smart service filtering and blocking. For example blocking unauthorized commands to an e-mail server, avoiding possible attacks.
- Intelligent Denial of Service prevention: Ping of Death, TCP Port Scan, ICMP and UDP Flood, session hijacking, and more.
- The capacity to search for and reject non-forming packets.

Physical Specifications

<table>
<thead>
<tr>
<th>Platform</th>
<th>Hardware Specifications</th>
<th>Performance Numbers</th>
<th>Session &amp; Tunnels</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSR-1805</td>
<td>IBM 405GP 200 MHz 2 10/100 BT Ethernet 2 I/O Expansion slots</td>
<td>Firewall: 180 Mbps VPN: 100 Mbps</td>
<td>Sessions: 13,000 Tunnels: 50</td>
</tr>
<tr>
<td>XSR-1850</td>
<td>IBM 405GP 250 MHz 2 10/100 BT Ethernet 2 I/O Expansion slots</td>
<td>Firewall: 200 Mbps VPN: 100 Mbps</td>
<td>Sessions: 85,000 Tunnels: 200</td>
</tr>
<tr>
<td>XSR-3020</td>
<td>IBCM1250 400 MHz 3 10/100/100 BT Ethernet 2 I/O Expansion slots</td>
<td>Firewall: 1100 Mbps VPN: 150 Mbps</td>
<td>Sessions: 150,000 Tunnels: 1,000</td>
</tr>
<tr>
<td>XSR-3250</td>
<td>BCM1250 600 MHz 3 10/100/1000 BT Ethernet 6 I/O Expansion slots</td>
<td>Firewall: 2,000 Mbps VPN: 350 Mbps</td>
<td>Sessions: 450,000 Tunnels: 3,000</td>
</tr>
</tbody>
</table>
Memory
For additional Firewall session or VPN tunnel capacity, order additional memory. Memory upgrade kits replace default memory chips. (Please note: The XSR-3020 is not memory upgradable; its base memory is 128 MB.)

<table>
<thead>
<tr>
<th></th>
<th>Base Memory</th>
<th>Memory Upgrade</th>
<th>VPN Tunnel Upgrade</th>
<th>Firewall Upgrade</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSR-1805</td>
<td>32 MB</td>
<td>128 MB</td>
<td>Base 50 tunnels upgraded to 500</td>
<td>Base 13,000 sessions upgraded to 230,000 sessions</td>
</tr>
<tr>
<td>XSR-1850</td>
<td>64 MB</td>
<td>128 MB</td>
<td>Base 200 tunnels upgraded to 500</td>
<td>Base 85,000 sessions upgraded to 230,000 sessions</td>
</tr>
<tr>
<td>XSR-3x50</td>
<td>256 MB</td>
<td>512 MB</td>
<td>Base 3,000 tunnels upgraded to 5,000</td>
<td>Base 150,000-450,000 sessions upgraded to 1,100,000 sessions</td>
</tr>
</tbody>
</table>

Ordering Information
Appliance Chassis
XSR-1805
Desktop Branch Office Appliance
XSR-1850
Rackmount Branch Office Appliance
XSR-3020
1 GB Regional Office Appliance
XSR-3150
2 GB Regional Office Appliance
XSR-3250
2 + 4 GB Central Office Appliance with expanded I/O

Software
XSR-1800-FW
Firewall for XSR1000 series
XSR-1800-VPN-FW
VPN and Firewall for XSR 1000 Series
XSR-3020-FW
Firewall for the XSR-3020
XSR-3020-VPN-FW
VPN and Firewall for the XSR-3020
XSR-30X0-FW
Firewall for the XSR-3150 and XSR-3250
XSR-30X0-VPN
VPN for the XSR-3150 and XSR-3250
XSR-30X0-VPN-FW
VPN for the XSR-3150 and XSR-3250

Page 3 of 4 • Data Sheet
Ordering Information

Security Upgrade Kits
XSR-UGK-VPN
VPN upgrade for XSRs with Firewall already installed (18XX)
XSR-UGK-FW
Firewall upgrade for XSRs with VPN already installed (18XX)

Memory Upgrades
XSR-64MB-MEM
64 MB Memory upgrade for XSR 1085
XSR-128MB-MEM
128 MB Memory upgrade for XSR 1850
XSR-512MB-MEM
512 MB Memory upgrade for XSR 3000 series products

Warranty
As a customer-centric company, Enterasys is committed to providing the best possible workmanship and design in our product set. In the event that one of our products fails due to a defect in one of these factors, we have developed a comprehensive warranty that protects you and provides a simple way to get your products repaired as soon as possible.

Service and Support
Enterasys understands that superior service and support is a critical component of Networks that Know™. The Enterasys SupportNet Portfolio—a suite of innovative and flexible service and support offerings—completes the Enterasys solution. SupportNet offers all the post-implementation support services you need—online, onsite or over the phone—to maintain your network availability and performance.