



## Vyatta Series 2500

Vyatta Series 2500 Open Networking Appliances are optimized for medium to large enterprise connectivity, security and protection. With tightly integrated routing and security features, and broad interface support up to 10 Gbps, Vyatta Series 2500 appliances offer unmatched price, performance, and flexibility for your network.

### Product Highlights

#### Vyatta 2501 Appliance:

- » Two 10/100/1000 Mbps Ethernet
- » One PCI-X Expansion Slot
- » One PCIe x8 Expansion Slot
- » WAN Interfaces up to T3
- » LAN Interfaces up to 10GbE
- » Integrated Routing & Security
- » Multiple full-feed BGP peers
- » 500,000 PPS performance
- » Vyatta Technical Support & Subscription Services Included

#### Vyatta 2502 Appliance:

- » All 2501 features plus...
- » High-availability RAID storage
- » Dual-core processor for improved small-packet forwarding and protocol processing
- » 1,000,000 PPS performance

Pre-installed Vyatta software subscriptions deliver the features and functions you need to connect and secure your network. Whether you need to interoperate with gear from another vendor using BGP, OSPF, or RIP, secure your network from the Internet using stateful firewalling and VPNs, provide a high priority pathway for VoIP traffic using QoS, or construct a highly availability network using VRRP or WAN load balancing, Vyatta Series 2500 appliances can help you get there. And it's all manageable using either a familiar command-line interface (CLI) or web-based graphical user interface (GUI).

The Vyatta Series 2500 includes two onboard Gigabit Ethernet ports, one PCI-X expansion slot and one PCIe expansion slot to support additional connectivity. The appliances support a wide variety of LAN and WAN interfaces including 10/100/1000 Mbps, 10Gbps Ethernet, ADSL, T1/E1 and T3.

Hardware	Model 2501	Model 2502
Processor	1.8GHz	Dual Core 2.4 GHz
Memory	1GB	2GB
Dimensions	Height: 1.68" (4.27 cm) Width: 17.60" (44.70 cm) Depth: 21.50" (54.61 cm)	Height: 1.68" (4.27 cm) Width: 17.60" (44.70 cm) Depth: 21.50" (54.61 cm)
Form Factor	1U rack height	1U rack height
Hard Drives	Single 250GB SATA hard drive	Dual 250GB SATA w/ RAID
Onboard Interfaces	2X Gigabit Ethernet	2X Gigabit Ethernet
Expansion Slots	PCI-X slot (64bit,133MHz) PCI Express x8 slot	PCI-X slot (64bit,133MHz) PCI Express x8 slot
Power Supply	345W non-redundant	345W non-redundant
Interfaces	<ul style="list-style-type: none"> <li>» 10/100/1000 Ethernet</li> <li>» 10Gb Ethernet</li> <li>» 3G Modem</li> <li>» ADSL</li> <li>» T1/E1 1 port</li> <li>» T1/E1 2 port</li> <li>» T1/E1 4 port</li> <li>» T3</li> <li>» X.21 and V.35</li> </ul>	<ul style="list-style-type: none"> <li>» 10/100/1000 Ethernet</li> <li>» 10Gb Ethernet</li> <li>» 3G Modem</li> <li>» ADSL</li> <li>» T1/E1 1 port</li> <li>» T1/E1 2 port</li> <li>» T1/E1 4 port</li> <li>» T3</li> <li>» X.21 and V.35</li> </ul>

Performance	Model 2501	Model 2502
Layer 3 Forwarding	500,000 PPS	1,000,000 PPS
VPN Forwarding	420 Mbps	515 Mbps
Max VPN Tunnels	2000	3000

\* Forwarding performance numbers are tested at 64-byte frame size

## Subscription Options

### PROFESSIONAL:

- » Latest Vyatta Software
- » Standard X86 Hardware
- » Web-based Ticketing
- » Case SLA - Next Business Day
- » Customer Hot Fixes
- » Online Manuals
- » Knowledge Base

### ENTERPRISE:

#### Professional Features Plus

- » 5 X 12 Phone Support
- » Case SLA - Severity Based
- » Vyatta University Online Training - Getting Started Courses

### PREMIUM:

#### Enterprise Features Plus

- » 7 X 24 Emergency Phone
- » Case SLA - Priority Response

### About Vyatta

Vyatta has reintroduced innovation to the networking industry by leveraging open source technologies and the performance increases of x86-based processors. This innovation has allowed Vyatta to create routing and security appliances that scale from the branch office to the service provider edge, use standard x86-based Intel/AMD hardware and components, run in VMWare, Xen and Hyper-V virtual environments and allow users to customize networks. Oh, and all of that can be done for a fraction of the cost of proprietary systems. For more info, visit <http://www.vyatta.com>.

## Vyatta Subscription Edition Software

Vyatta software tightly integrates enterprise-class routing, security and traffic management to deliver a flexible, affordable open networking solution. Vyatta software removes any reliance on proprietary hardware and instead allows users to deploy networks that benefit from the performance of economics of standard x86 hardware and components.

Vyatta appliances include the Vyatta Subscription Edition software, which is fully tested for stability, performance, and security and supported by the Vyatta technical support team. Subscription customers also get proactive notifications of security alerts, software releases, patches & bug fixes as well as access to an introductory set of online training courses and the Vyatta Knowledge base containing hundreds of technical articles.

Software		
IP and Routing Protocols	» BGPv4 » OSPFv3	» RIPv2 » Static Routes
IPv6	» BGP » OSPFv3 » IPv6 Firewalling*	
IP Address Management	» Static » DHCP Server » DHCP Client	» DHCP Relay » Dynamic DNS » DNS Forwarding
Encapsulations	» Ethernet » 802.1Q VLANs » PPP » PPPoE » IP in IP	» Frame Relay » MLPPP » HDLC » GRE
Firewall	» Stateful Inspection Firewall » Zone-based Firewall » P2P Filtering	
VPN	» SSL-based OpenVPN » Site to Site VPN (IPSec) » Remote VPN (PPTP, L2TP, IPSec) » DES, 3DES, AES Encryption	
Additional Security	» Network Address Translation » Intrusion Prevention » URL Filtering » MD5 and SHA-1 Authentication	
Performance Optimization	» WAN Link Load Balancing » Ethernet Link Bonding » MLPPP	» ECMP » Bandwidth Management » Web Caching
QoS Policies	» Priority Queuing » Classful Queuing » Round Robin	» Weighted Random » Network Emulator
Logging and Monitoring	» Syslog » SNMPv2c	
High Availability	» VRRP » IPSec VPN Clustering » Protocol Fault Isolation	
Administration	» Integrated CLI » Web GUI » Single Configuration File	» Telnet » SSHv2
Diagnostics & Packet Sniffing	» tcpdump » Wireshark Packet Capture » BGP MD5 Support » Serial Loopback Commands	

\* Experimental features, currently unsupported

