



Vyatta 600 Appliance



Vyatta 600 Highlights

- » Six Onboard 1GbE Ethernet
- » 250,000 PPS performance
- » Integrated Vyatta Network OS
 - Routing, Firewall, VPN, IPS and more
- » Vyatta Support & Subscription Services

Vyatta 600 Subscription Options

BASIC SUBSCRIPTIONS

SERVICE

- » Online Support Portal Tools
- » Expert Documentation
- » Online Knowledge Base
- » No Technical Support

HARDWARE

- » E-mail Hardware Diagnostics
- » One Year Hardware Warranty

ENTERPRISE SUBSCRIPTIONS

SERVICE

Basic Features Plus

- » 5 X 12 Vyatta Technical Support
- » Case SLA - Severity Based
- » Vyatta University Online Training

HARDWARE

- » Warranty for Subscription Duration
- » Next Business Day Unit Replacement*

PREMIUM SUBSCRIPTIONS

SERVICE

Enterprise Features Plus

- » 7 X 24 Technical Support (Emergency)
- » Case SLA - Priority Response

HARDWARE

- » Warranty for Subscription Duration
- » Next Business Day Unit Replacement*

Vyatta 600 appliances offer complete enterprise-class routing and network security in a high-performance small form-factor hardware platform for Small Office and Branch Office environments without a dedicated server or telecom room. Built on the award winning Vyatta Network OS, the Vyatta 600 appliance offers best-in-class networking feature set for unmatched price, performance, and flexibility for connecting and securing your small business or remote office.

The Vyatta 600 appliance is a high-performance, low power, space saving platform that includes six onboard 1Gb Ethernet ports, and is packaged in a convenient fanless desktop form factor. Unlike other solutions for this market, the Vyatta 600 has no feature limitations and no per-user fees. Integrated Vyatta Network OS software supports enterprise-class IPv4/IPv6 routing and security features including BGP, OSPF, RIP routing, stateful firewall, IPSec VPN, SSL OpenVPN, IPS, Secure Web Filtering and more. All of these features are configurable via command-line interface (CLI) or web-based graphical user interface (GUI) and can be managed by the Vyatta Remote Access API.

The Vyatta Advantage

Complete Networking – The Vyatta Network OS integrates dynamic routing, stateful firewall, VPN, IPS, Secure Web Filtering and more into a single system design for maximum performance and simplified connectivity and protection of your business.

Price / Performance Leader – Vyatta appliances use widely available modern multicore technology from Intel to drive massive price performance benefits over proprietary systems resulting in market leading system designs.

Simple Subscription Licensing - Vyatta Network OS is licensed on a yearly subscription model with no feature limitations and no per-user fees. Subscriptions include software maintenance and choice of technical support.

System Scalability – As a software-based solution that is built on standard Intel architectures, Vyatta systems can be continually upgraded using readily available off-the-shelf components and migrated to entire new classes of servers and processors as needed.

Proven Technology – Vyatta appliances and software are connecting and protecting thousands of networks worldwide from Fortune 100 to Federal Government, Global Telecom providers to Small to Medium Businesses.

Specification	Model 600
Performance	
Layer 3 Forwarding	250,000 PPS *
VPN Forwarding	150 Mbps
Max VPN Sessions	1000
Network Connectivity	
Onboard I/O	6x 10/100/1000
Expansion Slots	1 x Mini-PCIe (through USB Interface)
Console	1 x RJ45
USB	2 x USB 2.0
Storage and System Memory	
Storage	4GB Compact Flash
Memory	512MB 800 MHz DDR2
Physical System & Environmentals	
Dimensions	(WxHxD) 10.55 x 1.57 x 5.7 in (26.8 x 4 x 14.5 cm)
Weight	3.3 lbs (1.5 kg)
Form Factor	Desktop
Power Supply	Type / Watts: 60W Adapter System Input: DC 12V, 5A
Cooling	Fanless - Processor: CPU Passive Heatsink
Safety & Compliance	FCC, CE, UL, cUL, RoHS

* Next Business Day Replacement is Best Effort, Not Available in all Locations Worldwide

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

Vyatta Network OS

Network Connectivity:

At the core of the Vyatta system is a complex routing engine with full support of IPv4 and IPv6 dynamic routing protocols (BGP, OSPF, RIP). Vyatta systems include support for 802.11 wireless, Serial WAN Interfaces and a wide variety of 10/100 thru 10Gb Ethernet NICs.

Firewall Protection:

The Vyatta firewall features IPv4/IPv6 stateful packet inspection to intercept and inspect network activity and protect your critical data. Vyatta advanced firewall capabilities include zone and time-based firewalling, P2P filtering and more.

Content and Threat Protection

Vyatta systems offer an additional level of proactive threat protection with integrated secure web filtering and advanced intrusion prevention rules available as subscription-based Vyatta PLUS services.

Secure Connectivity

Establish secure site-to-site VPN tunnels with standards-based IPsec VPN between two or more Vyatta systems or any IPsec VPN device. Or provide secure network access to remote users via Vyatta's SSL-based OpenVPN functionality.

Traffic Management

The Vyatta system provides a variety of QoS queuing mechanisms that can be applied to inbound traffic and outbound traffic for identifying and prioritizing applications and traffic flows.

High Availability

Mission critical networks can deploy Vyatta with the confidence that high availability and system redundancy can be achieved through a industry standard failover and synchronization mechanisms.

IPv6 Compatibility

Vyatta Subscription Edition software is the only software-based routing and security solution with proven IPv6 functionality and interoperability, ensuring a future-proof investment in a solution that offers a simplified migration path from IPv4 to IPv6.

Administration & Authentication:

Vyatta systems can be managed through our familiar network-centric command line interface, web-based GUI or through external management systems using Vyatta's Remote Access API. All network management sessions can be securely managed using SSHv2, RADIUS or TACACS+.

Monitoring and Reporting:

Vyatta systems present complete logging and diagnostics information that can be monitored using in industry standard toolsets such as SNMP, Netflow, Syslog Wireshark and more.

Vyatta Network OS Version 6.3

IPv4 / IPv6 Routing	» BGPv4, BGPv6 » OSPFv2	» RIPv2 » Static Routes	» IPv6 Policy » IPv6 SLAAC
IP Address Management	» Static » DHCP Server » DHCP Client	» DHCP Relay » Dynamic DNS » DNS Forwarding	» IPv6 DNS Resolver » IDHCPv6 Server, Client » DHCPv6 Relay
Encapsulations	» Ethernet » 802.1Q VLANs » PPP	» PPPoE » IP in IP » Frame Relay	» MLPPP » HDLC » GRE
Firewall	» Stateful Inspection Firewall » Zone-based Firewall » P2P Filtering	» IPv6 Firewalling » Time-based Firewall Rules » Rate Limiting	» ICMP Type Filtering » Stateful Failover
Tunneling / VPN	» SSL-based OpenVPN » Site to Site VPN (IPSec) » Remote VPN (PPTP, L2TP, IPSec)	» OpenVPN Client Auto-Configuration » Layer 2 Bridging over GRE » Layer 2 Bridging over OpenVPN	» OpenVPN Dynamic Client
Additional Security	» Network Address Translation » Sourcefire VRT Intrusion Prevention » VyattaGuard Web Filtering	» 3DES, AES Encryption » MD5 and SHA-1 Authentication » RSA, Diffie Helman Key Mgmt	» NAT Traversal » Role based access control
WAN / LAN Device Drivers	» WAN Device Drivers - T1/E1 » Intel 10/100Mbps - 10Gbps » Broadcom 10/100Mbps - 10Gbps	» IEEE 802.11 wireless » Drivers in 2.6.31 Linux Kernel	» Synchronous Serial - V.35, X.21, RS-422, EIA530
Performance Optimization	» WAN Link Load Balancing » Ethernet Link Bonding » Web Caching	» MLPPP » ECMP » Bandwidth Management	
QoS Policies	» Priority Queuing » Network Emulator » Round Robin	» Random / Weighted Random » Classful Queuing » Ethernet Header Matching	» VLAN Tag » IPv6 Address » Port Mirroring
High Availability	» Stateful Firewall / NAT Failover » VRRP » HA Clustering	» Configuration Replication » RAID 1	» IPsec VPN Clustering » Protocol Fault Isolation
Administration & Authentication	» Integrated CLI » Web GUI » Vyatta Remote Access API	» Telnet » SSHv2 / SSH Public Key » Binary Image Install » Image Cloning	» RADIUS » TACACS+ » X.509 digital certificate auth. » Single Configuration File
Diagnostics & Logging	» tcpdump » Wireshark Packet Capture » BGP MD5 Support	» Serial Loopback Commands » Netflow / sFlow » LLDP	» Syslog » SNMPv2c » SNMP for IPv6