VPN Gateway Virtual Appliance

Highlights

Management and Analytics with ExtremeCloud™ IQ
- Simplified network operations
- Link state visibility monitoring
- Advanced reporting and network insights

Secure Network Access
- Layer 2-7 policy enforcement
- Identify, prioritize, and restrict traffic flows

Dynamic Path Selection
- User and application flow control
- Link state monitoring
- Multi-path optimization

VMware-based VPN Tunnel Termination

The VPN Gateway Virtual Appliance (VGVA) is designed to simplify VPN and GRE termination, and is a key component of Extreme's branch solution. As a software-based VMware-compliant solution, the VGVA provides scalable enterprise-class VPN termination for thousands of layer 2/3 VPN tunnels from remote access locations.

Underpinned by ExtremeCloud IQ management and software-defined device intelligence, VGVM offers highly distributed organizations simplified provisioning, increased network resilience, end-to-end visibility and control, and reduced cost and complexity.

Performance

- Multi-path optimization and link state detection
- Granular role-based QoS policies for each user and device
- Application-aware traffic shaping and performance optimization
- Per packet decision making

Security

- Identity-based access control plus application visibility for 1200+ applications
- Wired endpoint authentication for 802.1X, MAC authentication, and Captive Web Portal support
- Layer 2-7 stateful rewall

Management

- Public and Private Cloud, and on-premises management with intuitive configuration and comprehensive reporting
- Full stack solution when combined with Extreme's unified switches, routers, and wireless APs
- Simplified rollout – zero-touch provisioning and dynamic router IP address space management
- WAN and VPN monitoring via ExtremeCloud IQ, SNMP v1, v2c, and syslog

Deployment Options

Option 1 – General Purpose VMware ESXi Platform

- Memory: 32+ GB (3 GB for VM)
- CPU: Intel® Xeon® Processor E5 v3 or later
- Ethernet NICs: 1 or 2
- VMware Verion: ESXi 6.5 or later
- Hard Disk Size: 256+ GB (256MB for VM)
- VGVA version: 6.9r7 or later
- Up to 1000 tunnels
- Max throughput - 1 Gbps
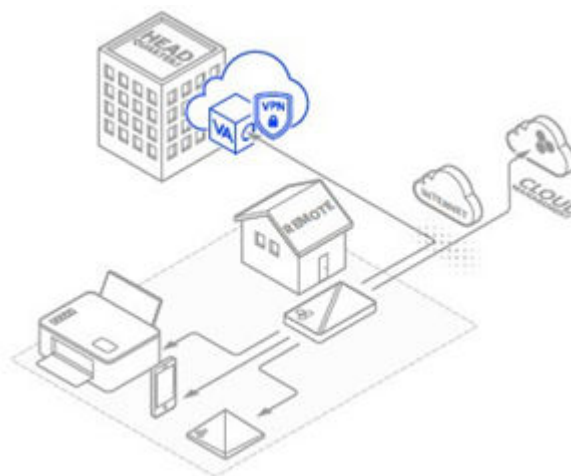
Option 2 – Extreme Networks 4120C

- Private RDC solution only
- Up to 4 VGVAs installed
- Max number of tunnels per VGVA - 50,000, per system - 200,000
- Max throughput per VGVA - 2 Gbps, per system - 8 Gbps
- Professional Services recommended

Product Specifications

Layer 3 IPsec VPN (When combined with Extreme router(s))

- Remote office IPsec-based VPN solution
- Extend local subnet or create unique subnets per remote site
- Redundant tunnel support
- Per packet dynamic WAN path selection
- User and application aware routing policies

Layer 2 IPsec VPN (When combined with Extreme AP(s))

- Remote AP IPsec-based VPN solution

- Redundant tunnel support

Layer 2 GRE Tunnel (When combined with Extreme Aps)

- Identity-based traffic tunneling of all guest traffic
- Redundant tunnel support

Routing Protocols

- OSPF
- RIPv2

Note: a single VGVA can function in either L2 or L3 mode (not both).

VGVA Ordering Information

SKU	Descriptions
AH-VG-VA	VG-VA,VPN Gateway Virtual Appliance
4120C	Extreme Universal Compute Platform 4120C Appliance