Data Sheet

VPN Gateway Virtual Appliance

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, highly distributed organizations benefit from simplified provisioning, increased network resilience, end-to-end visibility and control, and reduced cost and complexity.

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

Subject to change until product is released
VGVA Features

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 Version: 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

<table>
<thead>
<tr>
<th>SKU</th>
<th>Descriptions</th>
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<tbody>
<tr>
<td>AH-VG-VA</td>
<td>VG-VA, VPN Gateway Virtual Appliance</td>
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<tr>
<td>4120C</td>
<td>Extreme Universal Compute Platform 4120C Appliance</td>
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