VPN Gateway Virtual Appliance

VMware-based VPN Tunnel Termination
VPN Gateway Virtual Appliance

The VPN Gateway Virtual Appliance (VGVA) is designed to simplify VPN and GRE termination, and is a key component of Aerohive’s SD-WAN 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 Aerohive’s Cloud management platform and HiveOS Routing intelligence, highly distributed organizations benefit from simplified provisioning, increased network resilience, end-to-end visibility and control, and reduced cost and complexity.

VGVA Features

**Performance**
- Multi-path optimization and link state detection
- Granular user profile-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 firewall

**Management**
- Public and Private Cloud, and on-premises management with intuitive configuration and comprehensive reporting
- Full stack solution when combined with Aerohive’s unified switches and wireless APs
- Simplified rollout – zero-touch provisioning & dynamic router IP address space management
- WAN and VPN monitoring via HiveManager, SNMP v1, v2c, and syslog

Product Specifications

**SD-WAN Routing Features**
- Link state monitoring
- Per packet dynamic WAN path selection
- User and application aware routing policies

**Routing Protocols**
- OSPF
- RIPv2

**Layer 3 IPsec VPN (When combined with Aerohive router(s))**
- Remote office IPsec-based VPN solution
- Profile-based split tunnelling with NAT support
- Extend local subnet or create unique subnets per remote site
- Redundant tunnel support

**Layer 2 IPsec VPN (When combined with Aerohive AP(s))**
- Remote AP IPsec-based VPN solution
- Extend local subnet to remote sites
- Redundant tunnel support

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

VGVA RECOMMENDED HARDWARE SPECIFICATIONS

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<thead>
<tr>
<th></th>
<th>500 TUNNELS</th>
<th>1000 TUNNELS</th>
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</thead>
<tbody>
<tr>
<td><strong>CPU</strong></td>
<td>2.4GHz dual-core</td>
<td>3.1GHz quad-core</td>
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<tr>
<td><strong>Memory</strong></td>
<td>2+ GB (512MB for VM)</td>
<td>4+ GB (1024MB for VM)</td>
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<tr>
<td><strong>Ethernet NICs</strong></td>
<td>1 or 2</td>
<td>2</td>
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<tr>
<td><strong>VMware Version</strong></td>
<td>ESXi 4.1 or later</td>
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<tr>
<td><strong>Hard Disk Size</strong></td>
<td>10+ GB (256MB for VM)</td>
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VGVA SKU

<table>
<thead>
<tr>
<th>SKU</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>AH-VG-VA</td>
<td>VG-VA, VPN Gateway Virtual Appliance</td>
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