



## ADVANCED SD-WAN FEATURES

| Director & Analytics Features | Carrier Grade SD-WAN Features   |
|-------------------------------|---------------------------------|
| • Multi-Tenant                | • Carrier Grade NAT             |
| • User Admin Rights           | • Stateful Firewall             |
| • Programmable Templates      | • Denial of Service             |
| • Workflows                   | • Site-Site IP Sec VPN          |
| • Monitoring Dashboard        | • Dynamic IPsec VPN Overlays    |
| • SD-WAN Analytics            | • Traffic Load Balancing        |
| • Security Analytics          | • App Visibility                |
| • Heat Map                    | • App Traffic Management        |
| • Flow Visibility             | • App SLAs                      |
| • Reporting Groups            | • App Shaping and QoS           |
| • Appliance Monitoring        | • Migration Gateway             |
| • SSO via SAML                | • Multiple Active Links         |
| • SLA Violation Reports       | • Any Topology                  |
| • Google Maps                 | • Inline Loss Measurement       |
| • Alarm Management *          | • Packet Striping, FEC          |
| • App Perf Measurements *     | • MOS Based Control*            |
| • Bandwidth Utilization *     | • Cloud SaaS DIA Optimization * |

| Advanced Router Features   | Deployment Options Features |
|----------------------------|-----------------------------|
| • VLAN and VXLAN Tagging   | • Virtual                   |
| • Aggregated Ethernet      | • Physical/Bare Metal       |
| • Advanced Routing Support | • Service Chaining          |
| • QOS                      | • Any Topology              |
| • IP Address Management    | • Gateways                  |
| • ipv6                     | • Multiple Active WAN       |
| • Segment Routing *        | • Active Back-up WAN        |
| • Multicast*               | • FlexVNF HA                |



## NEXT-GENERATION FIREWALL (NGFW) FEATURES & OVERVIEW

The NGFW module combines application awareness, user role integration and deep packet inspection (DPI) to give more control over applications and the infrastructure. The firewall provides granular policy control based on various factors such as user ID, application, URL category, group membership, time of day. Application level gateways (ALG) are supported for a variety of protocols ensuring firewall and network address translation (NAT) functionalities are seamlessly supported for all applications.

NGFW is an evolution of the current FW capabilities present in VNF where policy match can specify the same matching criteria along with scheduling, L3/L4 fields, applications, application filters, application groups, URL categories, geo location.

| Next Gen Firewall               |
|---------------------------------|
| • URL Filtering                 |
| • URL Categorization            |
| • L7 Access Control             |
| • Web, IP Reputation            |
| • User/Group Access Control     |
| • Security Analysis             |
| • Whitelist/Blacklist           |
| • Packet Capture on APP ID      |
| • Near Real Time Cloud Look Up* |



## UNIFIED THREAT MANAGEMENT (UTM) FEATURES & OVERVIEW

The UTM module integrates a range of security features into a single appliance. UTM appliances combine firewall, gateway anti-virus, and intrusion detection and prevention capabilities into a single platform.

We've teamed with a leading anti-virus vendor to provide a rich set of embedded anti-virus capabilities using multi-layered techniques such as heuristics, signature matching, emulation and more. We also provide an IDS and IPS solution that allows customers to monitor their networks for malicious activities and policy violations that can be originated from the inside or outside of the network. SSL and TLS Decryption capabilities enable the network operator to apply consistent application, security, content and compliance policies for encrypted traffic flows.

| UTM                        |
|----------------------------|
| • Anti-Virus               |
| • Intrusion Detection      |
| • Intrusion Prevention     |
| • SSL Inspection           |
| • Advanced Malware *       |
| • Network DLP *            |
| • Sandboxing *             |
| • DNS Proxy and Firewall * |
| • On Premise Malware *     |