

# Managed Network Security

## SD-WAN Solution

### SECURITY Comprehensive, multi-layered protection in real-time.

- Anti-Malware at the gateway.
- Ransomware Kill Chain – multiple protection points to stop infections at multiple stages.
- IPS – Intrusion Prevention System – Real-time system identifies attacks and malicious intents.
- Cloud-based Firewall – wire-speed performance.
- Sandboxing – Zero-day virus protection; real-time analysis of files in virtual sandbox.
- DOS - Denial of Service.
- ATP – Advanced Threat Protection.
- Malicious Website Protection and Website Filtering.
- Botnet/C2 Protection – Identifies, blocks, and alerts infected hosts from phoning home.
- DLP – Data Loss Prevention – checks for sensitive data escaping the network and prevents activity.
- Application Controls – Identifies apps over all ports and prevents dangerous activity over the network.
- Blocking of embargoed countries.
- Suspicious Activity Monitoring – monitors and blocks.
- VPN Transmission Security – End-to-end tunnel security with AES128 encryption or higher
- Alerts - Real-time alerts.
- LAN separation for Dedicated PCI Network.
- 100's of IPS rules added per week.
- Millions of new URL ratings added per week.
- Millions of new and updated AV definitions added per week.
- PCI and HIPAA compliant.



### RELIABILITY

- Tier 4 (Gold) Data Centers 99.99% uptime across US and Canada.

### NETWORK PERFORMANCE OPTIMIZATION

Dynamically adapts to your internet connection 10x/sec. to ensure optimal performance with reduction in latency, jitter and packet loss.

- Data Prioritization – Tags and classifies all data into correct prioritization in real-time so that voice and business applications are prioritized and not compromised.
- Bandwidth Fluctuation Controls
- Quality of Service – Intelligent QoS.
- Traffic Prioritization
- Fragmentation Reduction
- Bandwidth Stacking
- Lossless Failover
- Packet Level Link Balancing