



## NEXT GENERATION SD-WAN

Is a transformational way to architect, deploy and operate corporate WANs, as it provides a simplified way of deploying and managing remote branch office connectivity in a cost-effective way.

### VIRTUAL WAN FABRIC

- Secure overlay fabric
- Transport independence
- Network segmentation

### SD-WAN GATEWAY

- Local policy enforcement
- WAN path selection, network QoS, firewall,
- Telemetry feedback loop to/from SD-WAN controller
- Stateful Firewall ( Zone Based ), POC algorithms
- Auto MTU discovery
- FEC
- Deduplication, Caching, Compression

### SD-WAN CONTROLLER

- Establishes and manages Secure virtual overlay to sites
- Defines service chains to enable policy goals
- Manages distribution of interpreted Policy to individual elements
- Radius, Tacacs Integration

### MANAGEMENT PORTAL

- Single-pane of glass for network configuration and management : cloud- hosted and on-premises
- Zero-touch provisioning
- Portal where user defines global policies
- Aggregated visibility on application performance
- RBAC (Role based)
- Rest API

## SD-WAN FEATURES

Routing	OSPF, BGP, Static, PBR, PPPOE
User Experience	Application Prioritisation over available WAN
GPS (Optional)	Geo-location tagging for device Geo fencing
VPN	Site-to-Site IKEV1-IKEV2 ( Using Custom UDP ports, L2TP, GRE, MPVN, Remote VPN, VRF (64)
QOS	Shaping policy, Rate Limiter, Traffic Policies IPv4/IPv6, Traffic Shaper, DSCP tagging
NAT	Source NAT, Destination NAT, NAT Traversal
Network Visibility	Streaming Telemetry ( Real time Packet flow, Application flow)
Dynamic Multi-path Optimisation	KPI's – Jitter, Packet Loss, Latency, Per packet, Per Flow load balancing, Link Aggregation (Paket Loss, Latency, Jitter, Hopcount) Sub second based switchover
Application Visibility	3000 +( Custom Applications),
High Availability	RRRP Clustering
WAN overlay over Cloud	Public - AWS, Azure, GCP, & other Private
WAN Policy	WAN Aggregation, LTE and Broadband intelligent KPI
Advanced LTE	LTE Primary and bandwidth Aggregation capability
Troubleshooting	Bandwidth Measure, IPERF, Packet Capture, Alerts, Logs
Link Monitoring	Paket Loss, Latency, Jitter, Hopcount
Reporting	Application Wise bandwidth usage, link performance, tunnel performance on real time, historical reports, report scheduling.
Supported Topology	Hub & Spoke, Full Mesh, Partial Mesh.



HARDWARE SPECIFICATION	
Product sku	iEdge-50
Appliance Model	iEdge-50-SDWAN
Deployment Mode	Branch
Memory	2 GB
Storage	64GB SSD
Interfaces	1 WAN,1 LAN , 1 USB to Ethernet converted port,1 USB,
Power supply	5V/2.5 A DC
Operating Temp	-10° to 65°C
PERFORMANCE	
Application visibility throughput	500 Mbps
Encrypted throughput	100 Mbps
POLICIES	
NAT rules	50
ROUTING	
IPv4 forwarding table size	100
IPv6 forwarding table size	100
QOS	
Number of QoS policies	20
Physical interfaces supporting QoS	4
DSCP marking by policy	Yes
IPSEC VPN	
Max IKE Peers	10
Site to site (with proxy id)	10
INFINXT REMOTE ACCESS VPN	
Max tunnels (Client based IPsec)	10
MULTICAST	
Replication (egress interfaces)	20
Routes	20



**Infinity  
labs**

Registered Office :  
Teerth-Technospace, C-609,  
Bangalore-Mumbai Highway, Baner,Pune, IN – 411045  
Website : [www.infinitylabs.in](http://www.infinitylabs.in) Email: [sales@infinitylabs.in](mailto:sales@infinitylabs.in)

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