



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, service chaining
- Telemetry feedback loop to/from SD-WAN controller

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

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

SD-WAN FEATURES

Routing	OSPF, BGP, Static, PBR
User Experience	Application Prioritisation over available WAN
GPS (Optional)	Geo-location tagging for device Geo fencing
VPN	Site-to-Site, L2TP, GRE, DMPVN, Remote VPN
QOS	Shaping policy, Rate Limiter, Traffic Policies IPv4/IPv6, Traffic Shaper, DSCP tagging
NAT	Source NAT, Destination NAT, NATv6, NAT Traversal
Network Visibility	Streaming Telemetry
Dynamic Multi-path Optimisation	KPI's – Jitter, Packet Loss, Latency, Per packet, Per Flow load balancing, Link Aggregation
Application Visibility	800 + Applications, Application Awareness
High Availability	VRRP, Clustering
WAN overlay over Cloud	Public - AWS, Azure, Private
WAN Policy	WAN Aggregation, LTE and Broadband intelligent KPI based switchover
Troubleshooting	Bandwidth Measure, IPERF, Packet Capture, Alerts, Logs



HARDWARE SPECIFICATION	
Appliance Model	iEdge-1000
Product sku	iEdge1K-SDWAN
Deployment Mode	Data Center
Core	8
Memory	16 GB expandable to 64 GB
Storage	128 GB SSD expandable 512 GB SSD
Interfaces	Universal 6 X 1GbE LAN, 4 X 10G SFP+, 2 X USB, 1 X Console, 2 X NIM
Power rating	230V, 120W(50-60Hz) AC Power Supply
Power Supply	1+1 redundant, hot-plug as optional
PERFORMANCE	
Application visibility throughput	32 Gbps
IPSec VPN throughput	16 Gbps
Connections per second	450000
SESSIONS	
Max sessions (IPv4 or IPv6)	4 Million
POLICIES	
NAT rules	4000
ROUTING	
IPv4 forwarding table size	2250
IPv6 forwarding table size	4750
NAT	
Total NAT rule capacity	2500
HIGH AVAILABILITY	
Devices supported	2
Max virtual addresses	2
QOS	
Number of QoS policies	475
Physical interfaces supporting QoS	10
DSCP marking by policy	Yes
IPSEC VPN	
Max IKE Peers	2500
Site to site (with proxy id)	2500
INFINXT REMOTE ACCESS VPN	
Max tunnels (Client based IPSec)	Unlimited
MULTICAST	
Replication (egress interfaces)	95
Routes	1900



**Infinity
labs**

Registered Office :
Teerth-Technospace, C-609,
Bangalore-Mumbai Highway, Baner,Pune, IN – 411045
Website : www.infinitylabs.in Email: sales@infinitylabs.in

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ACCESSORIES

Infinxt-SDWAN-iEdge-1000-NIM4P	4 port Network expansion card for iEdge-1000
Infinxt-SDWAN-MISC-1G-Cu	1G RJ45 pluggable module
Infinxt-SDWAN-MISC-1G-SR	1G Multimode short range Fiber SFP module
Infinxt-SDWAN-MISC-1G-LR	1G Singlemode long range Fiber SFP module
Infinxt-SDWAN-MISC-10G-SR	10G Multimode short range Fiber SFP+ module
Infinxt-SDWAN-MISC-10G-LR	10G Singlemode long range Fiber SFP+ module
Infinxt-SDWAN-iEdge-1000-120W-PWS=	Infinxt Next Generation SD-WAN- iEdge 1000 - 120 Watts Power Supply
Infinxt-SDWAN-MISC-FAN=	Infinxt Next Generation SD-WAN- iEdge 1000 - Fan Module



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