



iEdge-100 series

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

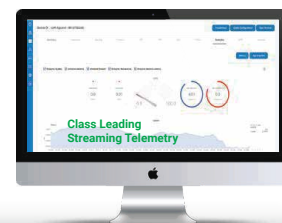
- Establishes and manages secure virtual overlay to sites
- Defines service chains to enable policy goals
- Manages distribution of interpreted policy to individual elements

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, PPPOE
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	VRPP, Clustering
WAN Overlay over Cloud	Public-AWS, Azure, Private
WAN Policy	WAN Aggregation, LTE and Broadband Intelligent KPI Based Switchover
Advanced LTE	LTE Primary and Bandwidth Aggregation; auto detection and register to a recognized LTE/5G/4G networks; support for external antennae and M2M SIMs
Troubleshooting	Bandwidth Measure, IPERF, Packet Capture, Alerts, Logs
Local Device management	GUI, SSH



HARDWARE SPECIFICATION

Appliance Model	iEdge-100		
Deployment Mode	Branch/Hub		
Core/s	4		4/8
Chipset	Intel-J1900	Intel J3455	Intel-J1900
CPU Architecture	X86		
Memory(GB)	8		8-16
Storage	32 - 128 GB SSD		32-512 GB SSD
Network Interfaces	Universal 4x1G	Universal 4 X 2.5G	Universal 6x1G
USB(Supports 3G/4G/5G Dongle for WAN)	1x2.0 , 1x3.0	2 X 3.0	2x2.0 , 2x3.0
V.35 Serial Port	Supported Through External Convertor		
Number of SIM Slot	1 (Optional)	2	NA
SIM Support	4G/LTE/5G		
Console	RJ-45		
WiFi	Optional (Dual Band, 802.3 b,g,n,ac Wave 1, 1x1 MIMO)		NA
Power Supply	12V/5A External DC Adapter		12V/3A External DC Adapter
Power Input(AC)	230 V		
Power Rating(W)	20	60	20
Operating Temperature	-10°C to 60°C	0C to 45C	-10°C to 60°C
Humidity	5%-95% Relative Humidity, Non-Condensing	5%-90% Relative Humidity, Non-Condensing	5%-95% Relative Humidity, Non-Condensing
Physical Dimensions(LxWxH)mm	135x125x40	205 x 175 x 45	202x149x55
Weight(kg)	0.55	1.2	1.35
Form Factor	Deskmount		

AGGREGATED PERFORMANCE

Aggregated SD-WAN Throughput(Gbps)	3	4.5	16.8
Aggregated IPSEC/Secure Tunnel VPN throughput(Gbps)	0.6	0.9	3.36
Packets Per Second(Mpps)	5.9	8.85	23.52

SESSIONS

New Connections Per Second	Up to 12K	Up to 17.5K	Up to 66K
Max Sessions(IPv4 or IPv6)	Up to 64K	Up to 96K	Up to 360K

POLICIES

NAT Rules	500	1500
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ROUTING

IPv4 Forwarding Table Size	Up to 800K	Up to 1M	Up to 2M
IPv6 Forwarding Table Size	Up to 100K	Up to 125K	Up to 250K

QOS

Number of QoS Policies	1000	2750
DSCP Marking by Policy	Yes	

IPSEC/Secure Tunnel VPN

Site-to-Site	200	1000
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INFINXT REMOTE ACCESS VPN

Max tunnels (Client based tunnel)	250	500
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HIGH AVAILABILITY

Device Count	2		
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