



NE-15 EDGE  
Appliance Tech Sheet  
Version 5.0



# **NESECURE**<sup>TM</sup>

networks

## NE-15 EDGE

NE-15 is a NE-Edge appliance which is powered by NE-OS with SDWAN Capabilities. NE-15 provides business continuity and Multi-Fabric WAN like MPLS, ILL and Broadband links along with 4G/LTE connectivity. Router supports Dual LTE SIMs with Active –Passive mode. It enables users to access critical applications seamlessly.

It transforms your network edge to deliver high-performance, secure, and reliable services to unite standalone offices, campuses, data centres, and branch networks.

NE-15 is built with basic firewall like DoS, DDoS, SPAM protection, anti-spoofing and anti-flooding filters, URL whitelisting and blacklisting and UTM features with IPS and IDS.

It also supports Dynamic QoS to efficiently use the resources.

It helps customers to avail redundant last mile services where data outages are common.

It supports Bandwidth Aggregation on both WAN and VPN interfaces to enhance bandwidth usages and business continuity.

It can be managed through NE-Control (SD-WAN controller) with Zero Touch Provisioning, Central Configuration Management and much more.



\*ACTUAL PRODUCT MAY VARY DUE TO PRODUCT ENHANCEMENT.



# NE- 15 EDGE Appliance

Hardware	
Main Chipset	MT7620A
RAM	DDR2 128MB (MAX DDR2 256MB)
SPI FLASH	16MB (MAX 32MB)
Protocol	IEEE 802.11n, IEEE 802.11g, IEEE 802.11b, IEEE802.11a IEEE 802.3, IEEE 802.3u
RT Power	802.11b 18dBm 2dBm; 802.11g 15dBm 2dBm; 802.11n 15dBm 2dBm; 802.11ac depends on the 11AC mode;
Reception Sensitivity	802.11b: -83dBm@10% PER 802.11g: -74dBm@ 10% PER 802.11n: -68dBm@10% PER 802.11ac: depends on the 11AC mode;
Work Channel	2.4GHz choose: 1-13 5GHz choose : 149, 153, 157, 161, 165
Wireless Rate	Max 1200Mbps (depends on the 11AC mode)
Work Frequency	2.4GHz
Antenna	4* Non-detachable 5dBi antenna

Hardware	
Interface	1*mini PCI-E slot 2*SIM card slot 1*USB 2.0 port 1*Micro SD card slot 1*10/100/100M WAN port (Auto MDI/MDIX) 4*10/100/100M LAN port (Auto MDI/MDIX)
LED	Power, PCIE mode, 2.4G, WAN, LAN1, LAN2, LAN3, LAN4
Button	Reset/WPS
Max Power consumption	< 12W
Dimension (L*W*H)	141*85*26MM

# NE- 15 EDGE Appliance

Software Specifications	
NE-WAN Compatible	Yes
Management	Telnet,SSH,Web,API,TR069,SNMP
Routing	Static ,eBGP ,iBGP, OSPF
IP Services	IPv4,NAT/PAT,SNMP,DHCP(Client/Server/Relay),SSH,NTP
VPN	PPP,PPPoE,IPSec,PPTP,L2TP,OVPN,MWAN
VLAN support	Yes
Pseudowire L2 Extention	Yes
DDNS	Yes
Load Balancing	Yes
Traffic Shaping (QoS)	Yes
Diagnostic tools	Ping, Traceroute
SNMPv2/v3	Yes
Packet sniffer and analyser	Yes
VRRP support.	Yes
Geo-Location	Yes

# NE- 15 EDGE Appliance

Physical Specifications	
Work	Operating Temperature: 0°C - 60°C;
	Storage Temperature: -60°C 70°C;
	<b>Operating Environments -</b>
	Operating Humidity: 10% 90% non-condensing
	Storage Humidity: 10%"90% non-condensing
Adapter	12V 1 A
4G LTE Specifications	
LTE Modem	1, Internal Modules
SIM Slot	2 SIMs
4G/LTE Bands	FDD : B1/B3/B5/B8 TDD:B34/B38/B40/B41 WCDMA:B1/B8 TD-SCDMA : B34/B39
2G/3G Bands	EVDO /CDMA :BC0 GSM : B3/B8
GPS	Integrated with Modem + External Antenna (Optional)

Security	
AAA	Local database,Radius,TACACS+
Basic Firewall	DoS, SPAM, Flooding, Spoofing Filter
Policies	IP/MAC/Application Port based policy support
MAC binding	Yes
URL Filtering	Whitelist/Blacklist
Third Party CA Cert	Yes
IKE1/IKE2	Yes
GCM and HMAC Support	Yes
SHA 1/2/3	SHA1/2/3
Stateful Packet Inspection	Yes
GeoIP Blocking	Yes
IPS/IDS	Yes
Lateral Security	Yes
Compliances	
Safety	CE
EMC	FCC,EN
Environmental	RoHS
Wi-Fi	Wi-Fi, WPC



Nesecure Networks Pvt. Ltd. has rapidly deployed 21,000+ managed VPN Links across the geographic terrain of India. This is geography where last mile always poses a challenge to many organizations. Maximum SMEs and Large enterprises face challenges in network insights as all networks are complex and difficult to manage.

NE-WAN is our latest flagship solution which is a Managed Software Defined WAN solution. We have successfully tested NE-WAN (Managed SD WAN) with different segments and various parameters to provide you with a single screen access to you network management. The NE- WAN ensures scalability and boosts security, visibility and better control to your network.

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