

NIRAD NVX86

Product Features:

Ready for Multi Cloud - It enables global interconnection of public and private clouds for a distributed network.

Distributed & Centralized Security - Branch and hub support stateful firewalls for flexible security policy setup.

Global L2 and L3 Networks - Effortlessly establish global L2/L3 networks across Clouds and Hubs with VRF support for security.

Flexible Networking - Seamlessly connect and manage networks by utilizing the virtual image's support for various networking modes, enabling seamless communication between virtual machines, cloud resources, and on-premises gateways.

Centralized Management - Benefit from centralized management capabilities to control, monitor, and update the virtual image instances across different platforms, reducing complexity and enhancing operational efficiency.

Versatile Deployment Options - Choose from a range of deployment options, whether you're focusing on virtualized environments, cloud ecosystems, or on-premises setups, granting you flexibility in aligning with your organization's unique requirements.



Introduction-

NIRAD NVx86 is a flexible and scalable gateway device with advanced features, allowing organizations to scale up their branch connectivity in a more efficient way. NIRAD NVx86 works on virtual machines (VMs) and cloud instances.

Designed for modern hybrid and cloud-first architectures, NIRAD NVx86 enables centralized control and secure aggregation of traffic from multiple branch locations. It supports high-performance SD-WAN capabilities, ensuring optimized application performance, intelligent traffic steering, and reliable connectivity across diverse underlay networks.

With its virtualized deployment model, NIRAD NVx86 offers rapid provisioning, simplified management, and seamless integration with existing IT and cloud environments. This approach helps enterprises reduce hardware dependency, improve operational agility, and achieve cost-effective scalability while maintaining robust security and high availability across the network.

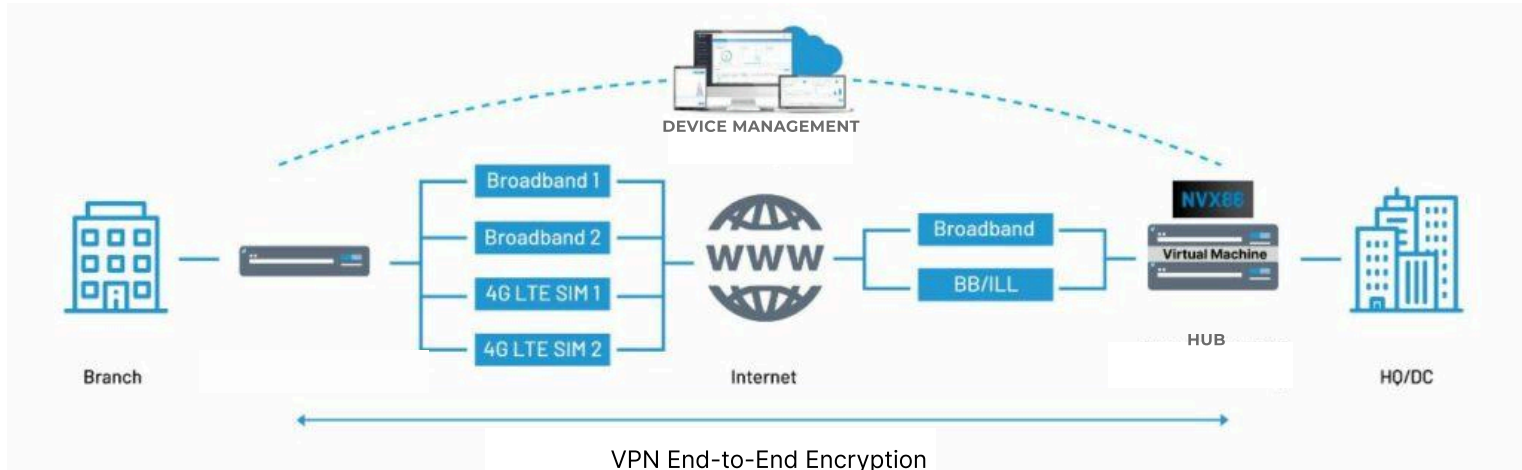
Overall, It serves as an ideal solution for enterprises & service providers seeking a future-ready, software-driven hub that delivers scalability, resilience, and operational efficiency for evolving SD-WAN and cloud connectivity requirements.



VISUALIZING VIRTUAL IMAGES:

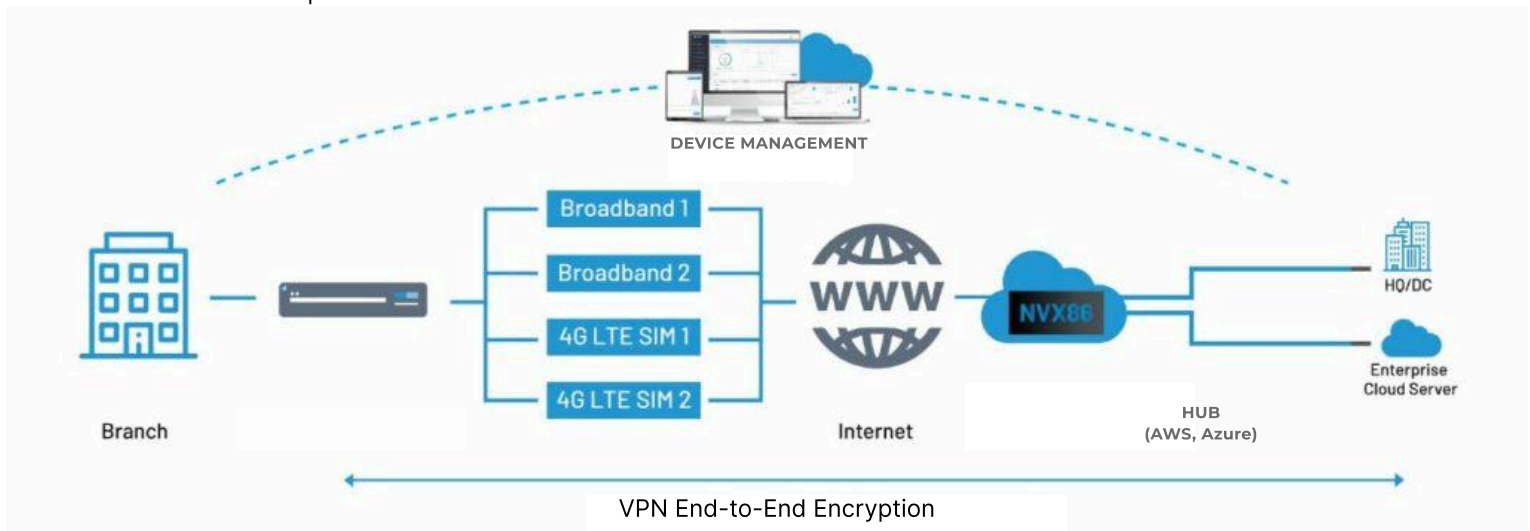
On Virtual Machine (VM):

Scale and Down as per the need



On Cloud:

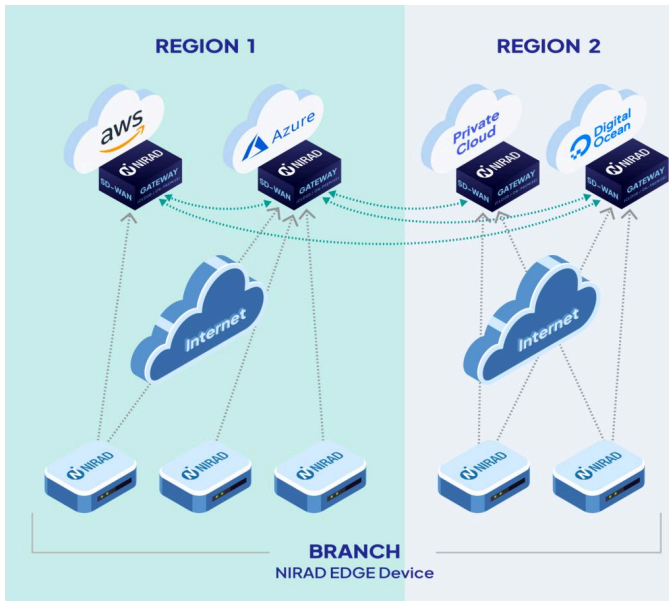
Scale and Down as per the need



Features:

- SNMP Support V1, V2, V3
- VLAN Configuration (802.1q) & Filtering
- VRRP Support
- DHCP Server Support
- Policy-Based Routing for Internet Breakout
- Support - GRE, IPsec, L2TP Tunnels
- Logical Network Creation
- Various graphs including Data & Bandwidth Utilization etc (Controller)
- Traffic routing - switch and route traffic across the different tunnels.

IMPORTANT FEATURE:

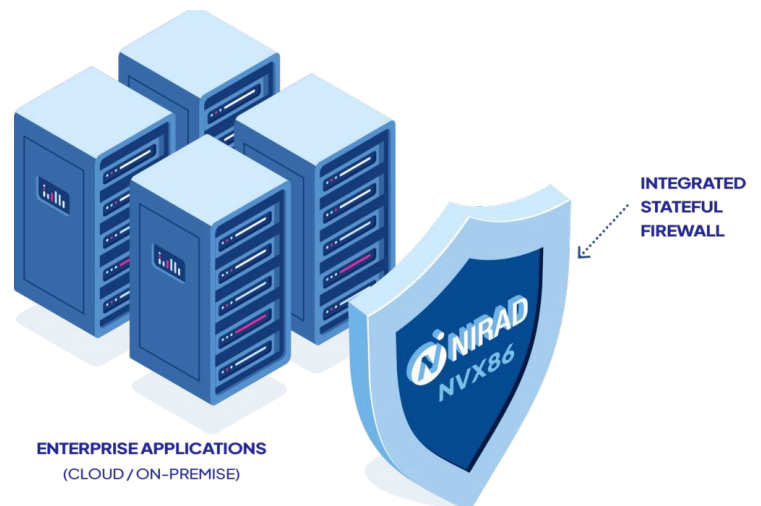


Ready for Multi Cloud

Nirad NVX86 provides an OnRamp for businesses to access multiple public and private clouds seamlessly. NIRAD OnRamp enables organizations to interconnect their cloud infrastructure and create a global distributed network it will to optimize network performance and ensuring data security. Multi-Cloud support in HA Mode

Integrated Stateful Firewall

Nirad NVX86 includes an advanced stateful firewall that can be applied either at the branch or at the hub, providing administrators with the flexibility to enforce policies in a centralized or distributed manner. By applying the firewall at both locations, administrators have maximum control over the network and can enforce policies at both the branch and hub levels.



High Availability (HA)

The main benefit of NIRAD's Affordable High Availability feature is that it provides network redundancy and resilience, ensuring that network traffic can continue to flow even if one or more components of the network fail. Finally, It also can help to reduce the overall cost of network operations. 1+1 and N+1 supported for HA

NVX86 SOFTWARE FEATURES

FEATURE	DESCRIPTION
Diagnostic tool	<ul style="list-style-type: none"> • GUI based Diagnostic tool (ping, traceroute etc)
Local & Remote Management	<ul style="list-style-type: none"> • A Support for NIRAD NMS (Controller) • Configuration visibility and troubleshooting
Operating System	<ul style="list-style-type: none"> • NiradOS
Monitoring & Management	<ul style="list-style-type: none"> • WEB UI (local GUI) & Nirad NMS (Centralized Controller)
Connection Monitoring	<ul style="list-style-type: none"> • Link Inspection/Quality, Check online/offline status from Nirad NMS. • Ping, Traceroute, and Packet Capturing, Link speed test
IP Allocation	<ul style="list-style-type: none"> • Static and dynamic IP allocation
Integration	<ul style="list-style-type: none"> • Seamless integration with existing and future-ready environments, including NMS platforms, NGFWs, and other security systems, through REST APIs and third-party tools. • AAA / RADIUS / TACACS+ Support • Receives latest threat and security updates from the Controller powered Nirad Threat Intelligence Platform.
Policy-Based Routing	<ul style="list-style-type: none"> • IP, Port based, Traffic routing policies (rule).
Networking Features	<ul style="list-style-type: none"> • Static routing, BGPv4, BGPv6, OSPFv2, OSPFv3, RIP Port Forwarding, Layer 2, 3, and 4 Filtering
Network Protocols	<ul style="list-style-type: none"> • IPv4, IPv6, PPP, PPPoE, TCP, UDP, DHCP Server, DHCP Relay, RIPv1/v2, HTTP, HTTPS, DNS, Telnet, VLAN, SSH, SNMP v1/v2c/v3, DDNS, VRRP, ARP, QOS, SNTP, Syslog, IPFix.
Firmware Update	<ul style="list-style-type: none"> • locally and Centrally
Firewall	<ul style="list-style-type: none"> • Stateful Firewall, Zone-Based L3 Firewall, App-Aware Firewall, IPS/IDS Threat Intelligence • NTP support • DDOS Prevention • Port scan prevention • Web & URL Filtering (Blacklist & Whitelist)
Route redistribution	<ul style="list-style-type: none"> • Supports Route information sharing across SD-WAN overlay and underlay
Load balancing	<ul style="list-style-type: none"> • Supports Equal-Cost Multi-Path (ECMP) routing, Packet Based Load Balancing for efficient traffic distribution
VPN Tunnels	<ul style="list-style-type: none"> • Supports SSL-based VPN, IPsec VPN, PPTP, GRE, L2TP, and OpenVPN. • Encryption methods - DES, 3DES, AES128, 192, 256 • Site to Site IPsec VPN- Supports a minimum of 8000 tunnels or more.
Bridging	<ul style="list-style-type: none"> • Support layer2 bridging
Firmware Integrity	<ul style="list-style-type: none"> • Tamper-resistant BIOS and secure boot mechanisms to help protect the firmware
High availability	<ul style="list-style-type: none"> • Support DC-DR Deployment • Support Automatic failover



Bangalore, India

Prestige Technology Park III, 9th Floor, Venus Block, Amane Bellandur Khane, Hobli, Marathahalli Ring Road, Varthur, ORR, Karnataka 560103

Email us: sales@niradnetworks.com

Visit us: www.niradnetworks.com