

N100-I-Aggregator-A2

Model: A2-I-M6-X-X-X

Product Highlights

WAN Link Diversity

Supports and combines multiple connectivity options, including ILL (Internet Leased Line), Broadband (BB) etc.

Zero Touch Provisioning (ZTP)

With ZTP, all configurations are done remotely, allowing for quick and easy setup without the need for on-site technical expertise.

Centralized Configuration and Management

Enables streamlined deployment, monitoring, and control of the network from a single interface, improving operational efficiency.

High VPN Performance

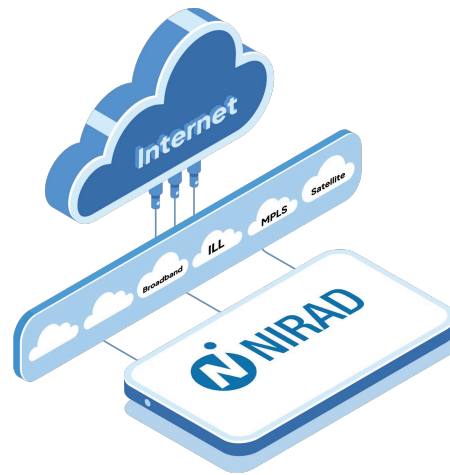
Supports IPsec, PPTP, and L2TP VPNs with a powerful built-in VPN engine. Handles multiple VPN connections with strong encryption and security options.

Strong Security

Protects against DoS attacks like flooding and scanning. Lets admins block websites, apps, or limit access to services like FTP & HTTP.

Smart Bandwidth Use

Multiple WAN ports for better internet management. Load balancing distributes traffic efficiently. Admins can control speed and connections for better performance.



The NIRAD N100-I-Aggregator-A2 is a high-performance Non-SIM networking device designed to meet the connectivity needs of small and medium businesses, retail branches, and other mission-critical environments.

It supports advanced VPN capabilities including IPsec, PPTP, and L2TP, enabling secure, encrypted connectivity between branches, headquarters, and data centers. With broadband integration and features like Load Balancing, Bandwidth Control, Session Limits, DoS Protection, Access Control, and an integrated PPPoE support, the device ensures optimized performance, advanced security, and reliable connectivity.

Designed for high efficiency and simplified management, it offers centralized control, seamless scalability, and stable multi-WAN broadband connectivity, making it ideal for organizations seeking a fast, secure, and resilient network infrastructure.

Auto Failover & Aggregation

Ensures uninterrupted connectivity by automatically switching between available WAN links and supporting link aggregation for improved bandwidth and reliability.

High Availability Design

Minimizes downtime with redundancy mechanisms, ensuring continuous network operation for business-critical environments.



HIGH-SPEED



COST - EFFECTIVE



RELIABLE



QUICK DEPLOYMENT



Centrally Managed

Powered by The NIRAD cloud management Solution

- Management Dashboards
- Live Device Monitoring
- Zero Touch Monitoring
- Remote Troubleshooting
- Over all reports
- Webhooks & API
- Real-Time Alert
- Centralized Upgrades
- Zone-wise Management and Access Rights
- Real-Time WAN Status

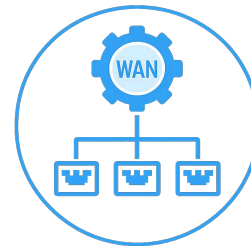
Zero Touch Provisioning

Pre-configure everything ensuring an error-free and idiot-proof installation and commissioning of branches.



Multi-WAN Supports

Multiple WAN ports to connect broadband, ILL, or MPLS simultaneously, enabling flexible internet connectivity with enhanced redundancy and performance.



Management

FEATURE	DESCRIPTION
Maintenance & Configuration	<ul style="list-style-type: none"> • Web-based UI (HTTPS) / CLI/ Nirad Controller GUI • Remote Management • Configuration Export & Import • NTP Synchronization • Syslog Support

Hardware and Network Features

FEATURE	DESCRIPTION
Flash	<ul style="list-style-type: none"> • Min.16 MB - Max. 1 GB
RAM	<ul style="list-style-type: none"> • Min. 128 MB - Max. 1 GB
WAN Connection Types	<ul style="list-style-type: none"> • ILL, BB, MPLS etc
MAC Address Management	<ul style="list-style-type: none"> • WAN/LAN/DMZ
DHCP	<ul style="list-style-type: none"> • DHCP Server/Client, DHCP relay, DHCP Reservation
Protocols	<ul style="list-style-type: none"> • IPv4, IPv6, Static Routing, OSPFv2, OSPFv3, RIP v1/v2 802.1Q etc.
Switch Settings	<ul style="list-style-type: none"> • Port Configuration • Port-Based VLAN

Scaling and Performance

FEATURE	DESCRIPTION
IPSec Throughput	Upto 150 Mbps
IPSec Multi tunnel throughput	Upto 45 Mbps
IPSec IPv4 Tunnels	Upto 50 tunnels
Internet traffic- Ethernet	Ethernet – 800 Mbps
Sessions	1000 sessions

Advanced Functions

FEATURE	DESCRIPTION
System Modes	<ul style="list-style-type: none"> • NAT • Non-NAT • Classical Routing
NAT Modes	<ul style="list-style-type: none"> • Static NAT • Dynamic NAT • Port Address Translation
Traffic Control	<ul style="list-style-type: none"> • IP-Based Bandwidth Control • Guaranteed & Limited Bandwidth Allocation
Load Balancing	<ul style="list-style-type: none"> • Intelligent Load Balancing • Policy-Based Routing • Link Backup (Failover & Scheduled) • Link Failure Detection

VPN

FEATURE	DESCRIPTION
VPN Protocols	IPsec, PPTP, L2TP over SSL VPN
IPsec NAT Traversal (NAT-T)	Supports NAT Traversal for IPsec VPNs
Encryption Algorithms	DES, 3DES, AES128, AES192, AES256
Authentication Methods	MD5, SHA1
Key Management	Manual and IKE (Internet Key Exchange) key management
VPN Modes	Supports LAN-to-LAN and Client-to-LAN IPsec VPN connections
PPTP/L2TP Support	Acts as both PPTP and L2TP VPN Server and Client Mode
IPsec VPN	<ul style="list-style-type: none"> • LAN-to-LAN and Client-to-LAN Support • Authentication: MD5, SHA1 • Key Management: Manual, IKE • IPsec NAT Traversal (NAT-T) • Dead Peer Detection (DPD) • Perfect Forward Secrecy (PFS)
VPN Pass-Through	Supports IPsec (ESP), PPTP, and L2TP

Firewall & Security

FEATURE	DESCRIPTION
URL Filtering	<ul style="list-style-type: none"> • MAC Filtering • URL/Keyword Filtering
ARP Inspection	<ul style="list-style-type: none"> • GARP Packet Transmission • ARP Scanning on WAN/LAN Interfaces • IP-MAC Binding
Attack Defense	<ul style="list-style-type: none"> • DDoS Protection • TCP Scan Blocking • WAN Ping Blocking

Product Specifications

MODEL	INDOOR
Ports	<ul style="list-style-type: none"> • 1 WAN and 1 LAN (Fixed Ethernet 1G)
SD-Ports	<ul style="list-style-type: none"> • 4 WAN/LAN (Configurable Ethernet 1G)
LED Indicators	<ul style="list-style-type: none"> • 1 X Power • 6 X Link/Port Status • 2 x NMS • 1 X VPN
Button	<ul style="list-style-type: none"> • Reset
DC Jack	<ul style="list-style-type: none"> • DC jack x 1
Power supply	<ul style="list-style-type: none"> • DC 12V 2A
Power consumption	<ul style="list-style-type: none"> • 12W Max • 100 to 240V, 50 to 60Hz
Mounting	<ul style="list-style-type: none"> • Rack Mount, Desktop/Table Top etc
Use the environment	<ul style="list-style-type: none"> • Operating temperature : 0°C to 55°C • Working humidity : 10% to 90% (non condensing) • Storage temperature : -15°C to 70°C

Certifications

CERTIFICATION	STATUS
BIS	Available
FCC	Available
NABL Accredited Lab Certifications	Available
ISO Certifications- (9001:2015) (27001:2022) (27032:2023)	Available



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