

# Series: N200-O

Model: A2-O-M-5G-5G-X

## Product Highlights

### WAN Link Diversity

Supports and combines multiple connectivity options, including ILL (Internet Leased Line), Broadband (BB) and 4G/5G (M2M & Internet SIMs).

### 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.

### Extended Coverage with High-Gain Internal Antennas

Supports high-gain external antennas to ensure strong, stable connectivity in remote or challenging outdoor locations.



The NIRAD N200-O is a high-performance dual SIM outdoor networking device designed to meet the connectivity needs of small and medium businesses, retail branches, and other mission-critical environments. It provides cellular-based backup connectivity for remote and outdoor installations, ensuring uninterrupted data transfer to Area or Central Server.

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.

### Best Band Selection

Support Auto band and Manual band selection. Supports all available bands

### Configurable LAN/WAN Ports

Pre-Provision or Change the number of LAN/WAN ports for maximum reliability.

### Auto Failover & Aggregation

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



**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

## SD-WAN UPGRADABLE

It can be upgradable to support SD-WAN in future as per requirement



## Supports 5G

Built-in 5G support for high-speed internet connectivity and enhanced network performance for critical applications.



## Management

FEATURE	DESCRIPTION
Maintenance & Configuration	<ul style="list-style-type: none"> <li>• Web-based UI, CLI, and Telnet Management Interface</li> <li>• Remote Management</li> <li>• Configuration Export &amp; Import</li> <li>• NTP Synchronization</li> <li>• Syslog Support</li> </ul>

## Basic Networking Functions

FEATURE	DESCRIPTION
WAN Connection Types	• ILL, BB, MPLS, 2G/3G/4G/5G (supports multiple operators), PPPoE etc
Capable Mobile Network	• 5G NR (SA/NSA), LTE (FDD/TDD), UMTS WCDMA (HSPA/HSPA+) etc.
MAC Address Management	• WAN/LAN/DMZ
DHCP	• DHCP Server/Client, DHCP Reservation
Protocols	• IPv4, IPv6, Static Routing etc.
Switch Settings	<ul style="list-style-type: none"> <li>• Port Configuration</li> <li>• Port-Based VLAN</li> </ul>

## Advanced Functions

FEATURE	DESCRIPTION
System Modes	<ul style="list-style-type: none"> <li>• NAT</li> <li>• Non-NAT</li> <li>• Classical Routing</li> </ul>
NAT Modes	<ul style="list-style-type: none"> <li>• Static NAT</li> <li>• Dynamic NAT</li> <li>• Port Address Translation</li> </ul>
Traffic Control	<ul style="list-style-type: none"> <li>• IP-Based Bandwidth Control</li> <li>• Guaranteed &amp; Limited Bandwidth Allocation</li> </ul>
Load Balancing	<ul style="list-style-type: none"> <li>• Intelligent Load Balancing</li> <li>• Policy-Based Routing</li> <li>• Link Backup (Failover &amp; Scheduled)</li> <li>• Link Failure Detection</li> </ul>
Routing	<ul style="list-style-type: none"> <li>• Static Routing</li> <li>• Dynamic Routing (OSPF, BGP, RIP v1/v2)</li> </ul>

## 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"> <li>• LAN-to-LAN and Client-to-LAN Support</li> <li>• Authentication: MD5, SHA1</li> <li>• Key Management: Manual, IKE</li> <li>• IPsec NAT Traversal (NAT-T)</li> <li>• Dead Peer Detection (DPD)</li> <li>• Perfect Forward Secrecy (PFS)</li> </ul>
VPN Pass-Through	Supports IPsec (ESP), PPTP, and L2TP

## Firewall & Security

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

## Product Specifications

MODEL	INDOOR
LAN/WAN	<ul style="list-style-type: none"> <li>• 1 * LAN Port, 10/100/1000 Mbps</li> <li>• 1 * WAN Port, 10/100/1000 Mbps</li> </ul>
Antenna Port	<ul style="list-style-type: none"> <li>• 4 x Outdoor Omnidirectional Cellular Antennas</li> </ul>
Button	<ul style="list-style-type: none"> <li>• Reset</li> </ul>
SIM Card Slot	<ul style="list-style-type: none"> <li>• Dual Sim Card Slots (Micro / Nano can be supported)</li> </ul>
DC Jack	<ul style="list-style-type: none"> <li>• DC jack x 1</li> </ul>
Power supply	<ul style="list-style-type: none"> <li>• 24V 1A (PoE Adapter)</li> </ul>
Power Interface	<ul style="list-style-type: none"> <li>• POE Port</li> </ul>
Mounting	<ul style="list-style-type: none"> <li>• Pole Mount, Wall Mount etc</li> </ul>
Use the environment	<ul style="list-style-type: none"> <li>• Operating temperature : 0°C to 55°C</li> <li>• Working humidity : 10% to 90% (non condensing)</li> </ul>

## Certifications

CERTIFICATION	STATUS
BIS	Available
FCC	Available
IP66 Cerification	Available
NABL Accredited Lab Certifications	Available
ISO Certifications- (9001:2015) (27001:2022) (27032:2023)	Available



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