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| Reset Function: | Pin-hole push button for reboot and factory reset |
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Radio technology

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| Load Balance: | Link Prioritization and Aggregation; Load Balancing; Diffserv; SFQ; HTB; Priority based Queuing |
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Power requirements

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|--------------------|---------------------------|
| Operating Voltage: | 12-24 VDC ($\pm 20\%$) |
| Power Consumption: | 7 W average, 10 W maximum |

Diagnostics features

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| Alarm and event actions: | Email; SMS |
| Monitoring: | Watchdogs (Hard- and Software); Link Supervision; MQTT Broker |

Security features

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| Multipoint VPN: | VXLAN, CSD dial-in, OpenVPN, IPSec, GRE, L2TP, PPTP, IKEv1/v2 |
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Service

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| Other services: | DNS Cache; |
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Software

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| Firmware Storage: | Fail-safe update (FOTA); Software Update via USB, HTTP(s) (push), FTP (pull), SFTP (pull), TFTP (pull) |
| Radius Server: | External Radius Server Management User Authentication |
| Software features: | Software Development Kit (SDK); |
| Software Version: | 5.0 (updates free of charge) |
| Operating system: | NRSW (NetModule Router Software) |
| Switching: | VLAN (802.1Q) |
| Redundancy: | Multipath TCP, VRRP (Virtual Router Redundancy Protocol), RSTP (Rapid Spanning Tree Protocol) |
| Diagnostics: | Netflow (Softflow), Ping, Traceroute, Tcpdump, Speed Test |
| Configuration: | DHCP Client and Server |
| Security: | Certificate Management (SCEP Client, Signing Requests), Certificate formats: PKCS12, PKCS7, PEM/DER, RSA/Ed25519 (OpenSSH/Dropbear), "Let's encrypt" support, Elliptic Curve Certificates (ECC), 802.1x for LAN, Stateful Firewall, Connection Tracking, Bridge Filtering |
| Time synchronisation: | NTP Client and Server, SNTP Server |
| Routing: | Destination, Policy, Multipath, OSPF, BGP, Multicast, TCP-MSS Clamping, NAT, NAT, Masquerading |
| Management Software: | Compatible with "Connectivity Suite" |
| Cellular Functions: | Signal Strength Monitoring |

Ambient conditions

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|--------------------------------------|-----------------------------|
| Air Pressure (Operation): | Up to 4000m above sea level |
| Degree of Protection when Installed: | IP40 |
| Operating temperature: | -40-+70 °C |
| Relative humidity (non-condensing): | 0-95 % |

Mechanical construction

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|-------------------|---------------------------------|
| Dimensions (WxD): | 45 mm x 124/134 mm x 110/121 mm |
| Weight: | 450 g |
| Housing Material: | brushed aluminium |
| Mount Type: | Flat surface mounting |
| Mating Side: | from the front |
| Labeling: | Type label on side |

Approvals

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|---|---|
| Basis Standard: | CE according to 2014/53/EU (RED), UKCA (RER), FCC |
| Safety of industrial control equipment: | EN 62368-1, IEC 62368-1, UL 62368-1 |
| Transportation: | E-Mark ECE R10, Fire Safety ECE R118 |
| UK Regulation Compliance: | UKCA Mark |
| Suitability - Indoor: | Yes |

Reliability

Guarantee: 5 years

History

Update and Revision: Revision Number: 0.4 Revision Date: 12-15-2025

Variants

| Item # | Type |
|-----------|----------|
| 942998129 | NB1601-R |

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