

NB800-USu

IIoT Router with UMTS + ETH + USB

Compact and modular mobile router to connect remote locations.



Keyfeatures

Mobile / Cellular	1x UMTS, GSM
SIM	1x Micro SIM
Ethernet	1x Fast Ethernet
USB	USB 2.0 Host
Operation Temperature	-40 °C to +70 °C
Software	Routing, Network Services, VPN, Firewall, Link Management, Supervisor, SDK, free updates
Compliance	CE (RED)
Modularity	Extensions on request

Product description

The compact NB800 is the cost-effective solution for a robust Internet connection in an industrial environment.

Applications

- Condition Monitoring
- Smart Buildings
- Intelligent Lighting Management
- Environmental Monitoring
- ATMs
- Point of Sale
- Digital Signage
- Ticketing

Specifications

Mobile / Cellular	Standard	1x Multimode UMTS, GSM for EMEA 3G - DC-HSPA+/UMTS B1 (2100), B8 (900) 2G - GSM/GPRS/EDGE B5 (850), B8 (900), B3 (1800), B2 (1900) Category HSPA+ Antenna ports SISO
	Region	Europe, Middle East and Africa (EMEA)
	Connectors SIM	1x SMA female 1x Micro SIM - 3FF
Ethernet	Standard	1x Fast Ethernet Ethernet standard 100BASE-TX, Auto MDIX Speed 10/100 Mbps
	Connector	1x RJ45
USB	Standard	1x USB 2.0 Host
	Connector	1x Type A
System	Core	600 MHz single core, 256 MB RAM, 4 GB flash
	Module Slots	1x Shield

Software	Features	NetModule Router Software Package The standard software package includes an intuitive user interface, covering all modern routing protocols and enables efficient mass deployment. General Fail-safe update (FOTA), upgrade via USB, HTTP(S), (S)FTP or TFTP, remote CLI & WebGUI, RADIUS authentication, Simple Certificate Enrollment Protocol (SCEP), logging Remote Management Manage and monitor devices with SNMP, telnet, SSH, or HTTP/HTTPS Cellular Networking Multi-SIM / soft-SIM support, multi-APN support, signal strength monitoring, dedicated bearers, GSM/CSFB calls Wireless LAN Client or Access Point mode, multi client support, multi / hidden SSID, WPA-PSK/WPA2-PSK, WPA-RADIUS, WPA-EAP-TLS, IEEE 802.11w, RADIUS accounting, CAPWAP Link Management Link prioritisation, link aggregation, load balancing, multipath-TCP, IP-passthrough, link supervision Network Services DHCP Client, DNS server, email, SMS service, NTP Client, NTP server, DynDNS, SSH server, SNMP agent, HTTP/HTTPS/FTP server, voice gateway, SIP call routing, coovachilli hotspot Routing Destination, policy, multipath, mobile-IP, OSPF, BGP, TCP-MSS clamping, STP/RSTP, bridging, LLDP, CDP, SONMP, EDP, FDP, IRDP, VRRP, VLAN, PPPoE VPN OpenVPN, IPsec, PPTP, GRE, CSD dial-in Firewall Stateful firewall, connection tracking, NAT, masquerading, bridge filtering
Power	Input Voltage Connector Consumption	12, 24 VDC Nominal voltages 12, 24 VDC Absolute voltages 12 VDC to 24 VDC (-20 % / +20 %) 1x Terminal block header 3.5 mm 5 W (average), 10 W (max)
Mounting		Bracket
Dimensions	W x H x D	Width 85/111 mm x height 32 mm x depth 110 mm
Weight		220 g
Environment	Operating Temperature Ingress Protection Level	-40°C to +70°C IP40
MTBF		340'000 h / 38.8 years, according SN29500 at environmental temperature 40 °C
Certifications	Compliance Domain	CE according to 2014/53/EU (RED), 2011/65/EU (RoHS) Industrial
Order Code		NB800-USu