

NB1810-L4E-G

Industrie-Router mit LTE + GbE + SFP + 4x GbE

Leistungsstarker, modularer Mobilfunk-Router mit Gigabit Ethernet- und Glasfaser-Schnittstellen zur Vernetzung von schwer zugänglichen Orten.



Hauptmerkmale

Mobilfunk	1x LTE, UMTS, GSM
SIM	2x Micro SIM
Ethernet	4x Gigabit Ethernet (4-Port Switch), 1x SFP/Gigabit Ethernet Combo, 1x Gigabit Ethernet
Erweiterter Speicher	1x SD Card
Serielle / Feldbus	1x RS-232/485
Ortung	Multi-GNSS
Betriebstemperatur	-40 °C bis +70 °C
Software	Routing, Network Services, VPN, Firewall, Link Management, Supervisor, SDK, freie Updates
Konformität	CE (RED)
Modularität	Erweiterungen auf Anfrage

Produktbeschreibung

Der NB1810 ist ein leistungsstarker und robuster Mobilfunk-Router, der für den Einsatz im industriellen Umfeld konzipiert ist.

Anwendungen

- Zustandsüberwachung
- Industrielle Sicherheit
- Fabrikautomation
- Remote Management
- Smart Buildings
- Point of Sale
- Smart Grid
- Öl & Gas
- Erneuerbare Energien
- Videüberwachung

Spezifikation

Mobile / Cellular	Standard	1x Multimode LTE, UMTS, GSM for EMEA 4G - LTE B1 (2100), B3 (1800), B5 (850), B7 (2600), B8 (900), B20 (800) 3G - DC-HSPA+/UMTS B1 (2100), B2 (1900), B5 (850), B8 (900) 2G - GSM/GPRS/EDGE B2 (1900), B3 (1800), B5 (850), B8 (900) Category LTE Cat 4 Antenna ports 2x2 MIMO Datarate down / up (max) 150 Mbps / 50 Mbps Voice CSFB FCC ID XPYTOBYL210
	Region	Europe, Middle East and Africa (EMEA)
	Connectors	2x SMA female
	SIM	2x Micro SIM - 3FF

Ethernet	Standard	1x Gigabit Ethernet Ethernet standard 1000BASE-T, Auto MDIX Speed 10/100/1000 Mbps 1x Gigabit Ethernet / SFP combo (software switchable) Ethernet standard 1000BASE-T, Auto MDIX SFP standard Depending on module, ask for supported modules Speed 10/100/1000 Mbps Combo port SFP or GbE interface activated (software switchable) 4x Gigabit Ethernet Ethernet standard 1000BASE-T, Auto MDIX Speed 10/100/1000 Mbps
	Connector	2x RJ45, 1x SFP cage (mini GBIC), 4x RJ45

Positioning	Standard	<p>1x Multi-GNSS Receiver BeiDou, Galileo, GLONASS, GPS/QZSS 72-channel u-blox M8 engine 3 concurrent GNSS channels Antennas Active or passive Accuracy Up to 2.5 m CEP Sensitivity Up to -167 dBm Services Standalone, Assisted GPS Data server with JSON, NMEA data stream</p>
	Connector	1x SMA female
USB	Standard	1x USB 2.0 Host
	Connector	1x Type A
Serial, Fieldbus	Protocol	<p>1x RS-232/485 combo (software switchable) Protocol EIA-232 Signals TX, RX Signal level High > 5 VDC, low < -5 VDC Bit rate Up to 1 Mbps Protocol EIA-485 Signals A, B Signal level Differential output voltage, loaded 1.5 VDC - 3.6 VDC Bit rate Up to 1 Mbps Termination 120 Ω for RS-485 configurable by software</p>
	Connector	1x Terminal block header 3.5 mm (screw locking)
Extended Storage		<p>SD Card Slot type microSD Speed (read / write) 600 kByte / s Application Store user and logging data of SDK or LXC applications SD card not included</p>
System	Core	1.3 GHz dual core, 1 GB RAM, 4 GB flash
	Module Slots	2x miniPCIe (PCIe + USB), 2x Extension (USB)
Software	Features	<p>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</p>
	Licenses	<p>GNSS Enabled service GNSS location service Server with JSON-, NMEA stream</p>
Power	Input Voltage	<p>12, 24, 48 VDC Nominal voltages 12, 24, 48 VDC Absolute voltages 12 VDC to 48 VDC (-25 % /+10 %)</p>
	Connector Consumption	<p>1x Terminal block header 3.5 mm (screw locking) 15 W (average), 22 W (max)</p>
Mounting		DIN-Rail
Dimensions	W x H x D	Width 95 mm x height 128/140 mm x depth 121 mm
Weight		1100 g
Environment	Operating Temperature	-40°C to +70°C
	Ingress Protection Level	IP40

MTBF		> 220'000 h
Certifications	Compliance Domain	CE according to 2014/53/EU (RED), 2011/65/EU (RoHS) Industrial
Order Code		NB1810-L4E-G
