NB2700-L-G

Fahrzeug-Router mit LTE + 5x ETH + GNSS + E-Mark

Modularer Mobilfunk-Router mit 5-Port Ethernet Switch für drahtlosen Internetzugang im Fahrzeug.

Hauptmerkmale

Mobilfunk	1x LTE, UMTS, GSM
SIM	2x Mini SIM
Ethernet	5x Fast Ethernet
IO	4x Digitale I/O
Serielle / Feldbus	1x RS-232
Ortung	Multi-GNSS
Betriebstemperatur	-25 °C bis +70 °C
Software	Routing, Network Services, VPN, Firewall, Link Management, Supervisor, SDK, freie Updates
Konformität	CE (RED), Fahrzeug (UN ECE R10, UN ECE R118)
Modularität	Erweiterungen auf Anfrage

Produktbeschreibung

Der NB2700 mit Fahrzeugzulassung ist ein robuster und vielfach im Feld bewährter Router, der mit seiner vielseitigen Ausstattung für diverse Anwendungen zum Einsatz kommt.

Anwendungen

- Blaulichtorganisationen
- Intelligenter Verkehr
- Flottenmanagement
- Nachverfolgung
- Fahrkartensysteme
- Videoüberwachung
- Passagier-Infotainment

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 Mini SIM - 2FF
Ethernet	Standard	5x Fast Ethernet
		Ethernet standard 100BASE-TX, Auto MDIX
		Speed 10/100 Mbps
	Connector	5x RJ45
Positioning	Standard	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
	Connector	1x SMA female

USB	**Standard**	1x USB 2.0 Host
	Connector	1x Type A

Serial, Fieldbus	**Protocol**	1x RS-232
		Protocol EIA-232
		Signals TX, RX
		Signal level High > 5 VDC, low < -5 VDC
		Bit rate Up to 1 Mbps
	Connector	1x Terminal block header 5 mm

IOs	**Type**	4x Digital I/O
		Signals 2x DI, 2x DO
		DI signals +, -
		DI level Low: 0 - 5 VDC, high: 7.2 - 40 VDC
		DO signals Relay outputs with NO, NC, COM (normally open, normally closed)
		DO level 0 - 60 VDC/1A
		Isolation 1'500 VDC
	Connector	1x Terminal block header 5 mm

System	**Core**	400 MHz single core, 64 MB RAM, 128 MB flash
	Module Slots	1x miniPCIe (PCIe + USB), 1x miniPCIe (USB)

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, NAPT, masquerading, bridge filtering
	Licenses	GNSS
		Enabled service GNSS location service
		Server with JSON-, NMEA stream

Power	**Input Voltage**	12, 24, 48 VDC
		Nominal voltages 12, 24, 48 VDC
		Absolute voltages 12 VDC to 48 VDC (-15 % / +20 %)
	Connector	1x Terminal block header 5 mm
	Consumption	6 W (max)

Mounting		Bracket

Dimensions	**W x H x D**	Width 165/190 mm x height 40 mm x depth 104 mm

Weight		700 g

Environment	**Operating Temperature**	-25°C to +70°C
	Ingress Protection Level	IP40

MTBF		310'000 h / 35.4 years, according SN29500 at environmental temperature 40 °C

Certifications	**Compliance**	CE according to 2014/53/EU (RED), Vehicle according to UN ECE R10, UN ECE R118
	Domain	Vehicle

Order Code		NB2700-L-G