

# NB800-LWWtSu2C

## IIoT-Router mit LTE + WLAN + BT/BLE + ETH + USB + 2x CAN-aktiv

Kompakter, modularer Mobilfunk-Router zur Vernetzung von schwer zugänglichen Orten.



### Hauptmerkmale

<b>Mobilfunk</b>	1x LTE, UMTS, GSM
<b>SIM</b>	1x Micro SIM
<b>WiFi / WLAN</b>	1x Dual-band IEEE 802.11a/b/g/n (Wi-Fi 4), 1x Bluetooth Low Energy
<b>Ethernet</b>	1x Fast Ethernet
<b>Serielle / Feldbus</b>	2x CAN aktiv (Lese- und Schreibzugriff)
<b>USB</b>	USB 2.0 Host
<b>Betriebstemperatur</b>	-40 °C bis +70 °C
<b>Software</b>	Routing, Network Services, VPN, Firewall, Link Management, Supervisor, SDK, freie Updates
<b>Konformität</b>	CE (RED)
<b>Modularität</b>	Erweiterungen auf Anfrage

### Produktbeschreibung

Der kompakte NB800 ist die kosteneffiziente Lösung für eine robuste Internetverbindung im industriellen Umfeld.

### Anwendungen

- Zustandsüberwachung
- Fabrikautomation
- Remote Management
- Smart Buildings
- Intelligentes Beleuchtungsmanagement
- Umweltüberwachung
- Industrielle Sicherheit

### Spezifikation

<b>Mobile / Cellular</b>	<b>Standard</b>	1x Multimode LTE, UMTS, GSM for EMEA <b>4G - LTE</b> B1 (2100), B2 (1900), B3 (1800), B4 (AWS), B5 (850), B7 (2600), B8 (900), B20 (800DD) <b>3G - DC-HSPA+/UMTS</b> B1 (2100), B2 (1900), B5 (850), B8 (900) <b>2G - GSM/GPRS/EDGE</b> B2 (1900), B3 (1800), B5 (850), B8 (900), <b>Category</b> LTE Cat 4 <b>Antenna ports</b> 2x2 MIMO <b>Data rate down / up (max)</b> 150 Mbps / 50 Mbps <b>Voice</b> GSM
	<b>Region</b>	Europe, Middle East and Africa (EMEA)
	<b>Connectors</b>	2x SMA female
	<b>SIM</b>	1x Micro SIM - 3FF
<b>WiFi / WLAN</b>	<b>Standard</b>	1x Dual-band WLAN 2.4/5 GHz a/b/g/n (Wi-Fi 4) + BT 4.2 combo <b>Wireless standard</b> IEEE 802.11a/b/g/n (Wi-Fi 4) Bluetooth 4.2, Bluetooth Low Energy <b>Frequency</b> 2.4/5 GHz <b>Antenna ports</b> 2x2 MIMO <b>Data rate (max)</b> 144 Mbps 2.4 GHz 2x2 MIMO, 150 Mbps 5 GHz SISO <b>Modes</b> Client or access point (up to 10 clients) <b>FCC ID</b> Z64-WL18DBMOD
	<b>Connector</b>	2x SMA female
<b>Ethernet</b>	<b>Standard</b>	1x Fast Ethernet <b>Ethernet standard</b> 100BASE-TX, Auto MDIX <b>Speed</b> 10/100 Mbps
	<b>Connector</b>	1x RJ45
<b>USB</b>	<b>Standard</b>	1x USB 2.0 Host
	<b>Connector</b>	1x Type A

<b>Serial, Fieldbus</b>	<b>Protocol</b>	2x CAN <b>Protocol</b> Controller Area Network V2.0B (ISO 11898) <b>Signals</b> CANH, CANL <b>Signal level</b> High > 2.75 V, low < 2.0 V <b>Bit rate</b> Up to 1 Mbps <b>Termination</b> 120 Ω configurable by software <b>Bus access</b> Active - read and write access <b>Module</b> CAN Shield
	<b>Connector</b>	1x Terminal block header 3.5 mm
<b>System</b>	<b>Core</b>	600 MHz single core, 512 MB RAM, 4 GB flash, HW Rev. A
	<b>Module Slots</b>	1x Shield
<b>Software</b>	<b>Features</b>	NetModule Router Software <b>Package</b> The standard software package includes an intuitive user interface, covering all modern routing protocols and enables efficient mass deployment. <b>General</b> Fail-safe update (FOTA), upgrade via USB, HTTP(S), (S)FTP or TFTP, remote CLI & WebGUI, RADIUS authentication, Simple Certificate Enrollment Protocol (SCEP), logging <b>Remote Management</b> Manage and monitor devices with SNMP, telnet, SSH, or HTTP/HTTPS <b>Cellular Networking</b> Multi-SIM / soft-SIM support, multi-APN support, signal strength monitoring, dedicated bearers, GSM/CSFB calls <b>Wireless LAN</b> 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 <b>Link Management</b> Link prioritisation, link aggregation, load balancing, multipath-TCP, IP-passthrough, link supervision <b>Network Services</b> 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 <b>Routing</b> Destination, policy, multipath, mobile-IP, OSPF, BGP, TCP-MSS clamping, STP/RSTP, bridging, LLDP, CDP, SONMP, EDP, FDP, IRDP, VRRP, VLAN, PPPoE <b>VPN</b> OpenVPN, IPsec, PPTP, GRE, CSD dial-in <b>Firewall</b> Stateful firewall, connection tracking, NAT, masquerading, bridge filtering
<b>Power</b>	<b>Input Voltage</b>	12, 24 VDC <b>Nominal voltages</b> 12, 24 VDC <b>Absolute voltages</b> 12 VDC to 24 VDC (-20 % / +20 %)
	<b>Connector</b> <b>Consumption</b>	1x Terminal block header 3.5 mm 5 W (average), 10 W (max)
<b>Mounting</b>		Bracket
<b>Dimensions</b>	<b>W x H x D</b>	Width 85/111 mm x height 32 mm x depth 110 mm
<b>Weight</b>		250 g
<b>Environment</b>	<b>Operating Temperature</b>	-40°C to +70°C
	<b>Ingress Protection Level</b>	IP40
<b>MTBF</b>		340'000 h / 38.8 years, according SN29500 at environmental temperature 40 °C
<b>Certifications</b>	<b>Compliance Domain</b>	CE according to 2014/53/EU (RED), 2011/65/EU (RoHS) Industrial
<b>Order Code</b>		NB800-LWWtSu2C