

# NB800-LWWtSu-E

## IIoT-Router mit LTE + WLAN + BT/BLE + ETH + USB + E-Mark

Kompakter, modularer Mobilfunk-Router zur Vernetzung von Spezialfahrzeugen.



### 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, 1x Bluetooth Low Energy
<b>Ethernet</b>	1x Fast Ethernet
<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), Fahrzeug (UN ECE R10, UN ECE R118)
<b>Modularität</b>	Erweiterungen auf Anfrage

### Produktbeschreibung

Der kompakte NB800 ist die kostengünstige Lösung für eine robuste bordeigene Internetverbindung in Fahrzeugen.

### Anwendungen

- Passagier-Infotainment
- Fahrkartensysteme
- Videoüberwachung
- Intelligenter Verkehr
- Landwirtschaft

### 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>Datarate down / up (max)</b> 150 Mbps / 50 Mbps <b>Voice</b> GSM
	<b>Region</b> <b>Connectors</b> <b>SIM</b>	Europe, Middle East and Africa (EMEA) 2x SMA female 1x Micro SIM - 3FF
<b>WiFi / WLAN</b>	<b>Standard</b>	1x Dual-band WLAN 2.4/5 GHz a/b/g/n + BT 4.2 combo <b>Wireless standard</b> IEEE 802.11a/b/g/n Bluetooth 4.2, Bluetooth Low Energy <b>Frequency</b> 2.4/5 GHz <b>Antenna ports</b> 2x2 MIMO <b>Datarate (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>System</b>	<b>Core Module Slots</b>	600 MHz single core, 512 MB RAM, 4 GB flash 1x Shield
<b>Software</b>	<b>Features</b>	<p>NetModule Router Software</p> <p><b>Package</b> The standard software package includes an intuitive user interface, covering all modern routing protocols and enables efficient mass deployment.</p> <p><b>General</b> Fail-safe update (FOTA), upgrade via USB, HTTP(S), (S)FTP or TFTP, remote CLI &amp; WebGUI, RADIUS authentication, Simple Certificate Enrollment Protocol (SCEP), logging</p> <p><b>Remote Management</b> Manage and monitor devices with SNMP, telnet, SSH, or HTTP/HTTPS</p> <p><b>Cellular Networking</b> Multi-SIM / soft-SIM support, multi-APN support, signal strength monitoring, dedicated bearers, GSM/CSFB calls</p> <p><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</p> <p><b>Link Management</b> Link prioritisation, link aggregation, load balancing, multipath-TCP, IP-passthrough, link supervision</p> <p><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</p> <p><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</p> <p><b>VPN</b> OpenVPN, IPsec, PPTP, GRE, CSD dial-in</p> <p><b>Firewall</b> Stateful firewall, connection tracking, NAT, masquerading, bridge filtering</p>
<b>Power</b>	<b>Input Voltage</b>  <b>Connector</b> <b>Consumption</b>	<p>12, 24 VDC</p> <p><b>Nominal voltages</b> 12, 24 VDC</p> <p><b>Absolute voltages</b> 12 VDC to 24 VDC (-20 % / +20 %)</p> <p>1x Terminal block header 3.5 mm</p> <p>5 W (average), 10 W (max)</p>
<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>		220 g
<b>Environment</b>	<b>Operating Temperature</b> <b>Ingress Protection Level</b>	<p>-40°C to +70°C</p> <p>IP40</p>
<b>MTBF</b>		340'000 h 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), Vehicle according to UN ECE R10, UN ECE R118 Vehicle
<b>Order Code</b>		NB800-LWWtSu-E