



NB1310

Tiny Reliable UMTS Router

Applications

The NB1310 is the preferred communication module for:

- Digital signage
- CCTV
- Remote management
- Mobile broadband access

Key Features

The key features of the NB1310 are:

- 3G+, WLAN, GPS communication in one device
- Small form factor
- DIN rail mounting
- NetBox software

NetBox Software:

- Connection supervision
- Automatic connection recovery
- Fallback management
- Flexible firewall
- Port forwarding
- IPsec, OpenVPN server and client
- Fail-safe OTA software update

NB1310 - The Tiny Reliable UMTS Router

The NB1310 mini router reliably connects any hosts such as screens or cameras to the Internet via 3G. Those hosts are attached via Ethernet or WLAN. The optional GPS receiver allows identifying the location of the equipment. Typical applications are Digital Signage, CCTV, Remote Management and Condition Monitoring.

GPRS, EDGE, UMTS, HSPA

The NB1310 is a small and inexpensive UMTS router providing the reliability known by other NetBox models. GSM and UMTS based services such as High Speed Packet Access (HSPA) are supported.

VPN

For the establishment of Virtual Private Networks (VPN) NB1310 provides IPsec and OpenVPN. For simple applications the use of Dynamic DNS or fixed IP addressing can replace the need of a VPN.

WLAN

The functionality of this router is extendable with WLAN.

GPS

GPS data is served by the NB1310 on a TCP server in NMEA format.

VPN

The NetBox Software supports major VPN technologies such as IPsec and OpenVPN. Both, server and client mode is possible.

NetBox Services

The NetBox Software is based on well proven components including an Embedded Linux operating system and flexible communication and configuration frameworks. Further NetBox services include DHCP server, DNS proxy server, DDNS agent, SNMP agent, telnet server, SSH server, web server, e-mail client and SMS client.

Administration

The device is administrated via web browser or command line. Self-provisioning for new software or new configuration is possible. The device can be configured via the http service interface or remote shell.

Features	
Mobile interface (option)	Multimode HSDPA, HSUPA, UMTS, EDGE, GPRS and GSM Global connectivity with 3G (900/2100) and quad-band 2G (850/900/1800/1900 MHz) Transparent hand-over between 2G and 3G networks Data rates: max. 7.2 Mbps downlink / 2 Mbps uplink, Power Class 3 (+24 dBm) Antenna connector: SMA female
WLAN interface (option)	Protocols: Wi-Fi 802.11 a/b/g Encryption: Wi-Fi Protected Access (WPA and WPA2), Wired Equivalent Privacy (WEP) Antenna connector: SMA female
Ethernet	1 Ethernet port, 10/100 Mbps, auto MDX Connector type: RJ45
GPS receiver (option)	GPS receiver with NMEA 0183 data stream Support for passive antennas (default)
Power	Input voltage: 12V DC to 24V DC Max. power consumption: 8W
Environment	Temperature range: -0 °C to +55 °C, IP30
Dimensions, weight	100mm x 85mm x 36mm, ca. 280g
MTBF	60'000h
Safety standards	EN60950-1:2001
EMC standards	EN301489-1 V1.6.1, EN301489-7 V1.2.1 (Emission)
Type approvals	CE according to R&TTE
Order number	
NB1310 - 220-0	UMTS router
NB1310 - 220-1	UMTS router with GPS
NB1310 - 224-0	UMTS, WLAN router
NB1310 - 224-1	UMTS, WLAN router with GPS

NetModule AG

 Meriedweg 11
 3172 Niederwangen

 T +41 31 985 25 10
 F +41 31 985 25 11

Switzerland

NetModule GmbH

 Frankfurter Strasse 92
 65760 Eschborn

 T +49 6196 77 99 79 0
 F +49 6196 77 99 79 9

Germany

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