



NB2210

Wireless Router for DIN-Rail

Applications

The NB2210 is the preferred DIN-rail communication module for:

- Telemetry
- Condition monitoring
- Remote management
- Remote control

Key Features

The key features of the NB2210 are:

- Quad-band GSM, GPRS, EDGE
- DIN rail form factor
- Digital I/O
- RS232/RS485

NetBox Software

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

NB2210 - The DIN-Rail Router

The NB2210 connects Ethernet-enabled equipment to the internet over mobile networks (GSM/GPRS/EDGE) and makes your devices and data accessible from wherever you want.

NB2210 provides all standard access router functionality to connect Ethernet enabled remote devices and with the Internet and corporate Intranets. The customer benefits from a transparent full-duplex IP connection. Since the NB2210 can replace several modems this solution is very economical. A unique feature is the 2 digital inputs and 2 digital outputs that let you manage any sensor or actuator, e.g. a door contact or an emergency stop. No additional signalling hardware is needed. Build Virtual Private Networks with the integrated OpenVPN client.

Cellular Communication

For mobile internet access a GPRS/EDGE modem is embedded. All services from GPRS to EDGE are supported; the best available service is automatically selected.

Digital I/O

The NB2210 has two isolated binary inputs and two relay outputs.

Serial Line

The NB2210 comes with a full-featured RS232 DCE interface and half-duplex RS485.

VPN

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

NetBox Software

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.

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	Multimode EDGE, GPRS and GSM Global connectivity with quad-band 2G Transparent hand-over between GPRS and EDGE Data rates: max. 236 kbps Antenna connector: SMA female
Digital I/O	2 digital inputs <ul style="list-style-type: none"> - Maximum input voltage 40 VDC - Minimum voltage for level 1 (set): 7.2 VDC - Maximum voltage for level 0 (not set): 5.6 VDC - Insulation 2500 Vrms Note: A negative input voltage is not recognized. 2 digital outputs <ul style="list-style-type: none"> - Limiting continuous current: 1 A - Maximum switching voltage 60 VDC, 42 VAC (Vrms) - Maximum switching capacity: 60 W - Insulation 1500 Vrms
Ethernet	1 Ethernet port, 10/100 Mbps, auto MDX Connector type: RJ45
Serial interface	1 x RS232 full-featured DCE interface or half-duplex RS485 Connector type: DE-9
Power	Input voltage: 9V DC to 28V DC Max. power consumption: 4W
Environment	Temperature range: 0 °C to +55 °C, IP30
Dimensions, weight	154mm x 84mm x 38mm, ca. 250g
Safety standards	EN60950-1:2006
EMC standards	EN301489-1 V1.7.1, EN301489-7 V1.3.1 (Emission) EN61000-6-2:2005, EN50121-3-2:2006 and EN50121-4:2006 (Immunity)
Type approval	CE according to R&TTE
Order numbers	
NB2210-220-0	GSM/GPRS/EDGE router

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