

NB1601-R

Industrie-Router mit 4x ETH

Modularer Router mit 4-Port Ethernet Switch zur Vernetzung von schwer zugänglichen Orten.



Hauptmerkmale

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|---------------------------|---|
| Ethernet | 4x Fast Ethernet |
| IO | 2x Digitale I/O |
| Serielle / Feldbus | 1x RS-232 Konsole |
| Betriebstemperatur | -40°C bis +70 °C |
| Software | Routing, Network Services, VPN, Firewall, Link Management, Supervisor, SDK, freie Updates |
| Konformität | CE (RED) |
| Modularität | Erweiterungen auf Anfrage |

Produktbeschreibung

Der NB1601 bietet die Schlüsseltechnologien für stationäre Anwendungen, die einen zuverlässigen Internetzugang benötigen.

Anwendungen

- Industrielle Sicherheit
- Fabrikautomation

Spezifikation

| | | |
|-------------------------|---------------------|---|
| Ethernet | Standard | 4x Fast Ethernet Ethernet standard 100BASE-TX, Auto MDIX Speed 10/100 Mbps |
| | Connector | 4x RJ45 |
| 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 3.5 mm (screw locking) |
| IOs | Type | 2x Digital I/O Signals 1x DI, 1x DO DI signals +, - DI level Low: 0 - 3 VDC, high: 9 - 32 VDC DO signals Relay outputs with NO, NC, COM (normally open, normally closed) DO level 0 - 32 VDC/1A Isolation 1'500 VDC |
| | Connector | 1x Terminal block header 3.5 mm (screw locking) |
| System | Core | 600 MHz single core, 512 MB RAM, 4 GB flash |
| | Module Slots | 1x miniPCIe / extension combo (USB), 1x Shield |

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|-----------------------|--|--|
| Software | Features | <p>NetModule Router Software</p> <p>Package The standard software package includes an intuitive user interface, covering all modern routing protocols and enables efficient mass deployment.</p> <p>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</p> <p>Remote Management Manage and monitor devices with SNMP, telnet, SSH, or HTTP/HTTPS</p> <p>Cellular Networking Multi-SIM / soft-SIM support, multi-APN support, signal strength monitoring, dedicated bearers, GSM/CSFB calls</p> <p>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</p> <p>Link Management Link prioritisation, link aggregation, load balancing, multipath-TCP, IP-passthrough, link supervision</p> <p>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</p> <p>Routing Destination, policy, multipath, mobile-IP, OSPF, BGP, TCP-MSS clamping, STP/RSTP, bridging, LLDP, CDP, SONMP, EDP, FDP, IRDP, VRRP, VLAN, PPPoE</p> <p>VPN OpenVPN, IPsec, PPTP, GRE, CSD dial-in</p> <p>Firewall Stateful firewall, connection tracking, NAT, masquerading, bridge filtering</p> |
| Power | <p>Input Voltage</p> <p>Connector Consumption</p> | <p>12, 24 VDC</p> <p>Nominal voltages 12, 24 VDC</p> <p>Absolute voltages 12 VDC to 24 VDC (-20 % / +20 %)</p> <p>1x Terminal block header 3.5 mm (screw locking)</p> <p>3 W (average), 5 W (max)</p> |
| Mounting | | DIN-Rail |
| Dimensions | W x H x D | Width 45 mm x height 124/134 mm x depth 110/121 mm |
| Weight | | 450 g |
| Environment | <p>Operating Temperature</p> <p>Ingress Protection Level</p> | <p>-40°C to +70°C</p> <p>IP40</p> |
| MTBF | | 300'000 h / 34.2 years, according SN29500 at environmental temperature 40 °C |
| Certifications | Compliance Domain | CE according to 2014/53/EU (RED), 2011/65/EU (RoHS) Industrial |
| Order Code | | NB1601-R |