

Spectre Wired Industrial Routers

ERT31x Series

B+B SMARTWORX

Powered by

ADVANTECH

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PRODUCT FEATURES

- VPN security
- Firewall support
- NAT/PAT address & port translation
- SNMP management
- Wide temperature range, -40 to 75°C
- Complies with NEMA TS1 & TS2

The Spectre RT industrial router connects Ethernet equipment in tough environments where office-grade equipment cannot handle the job. With Ethernet, USB, I/O and auxiliary ports, it is a flexible device with the built-in ability to handle multiple data communications protocols and to fit into virtually any network topology.

The Spectre RT supports creation of VPN tunnels using IPsec, OpenVPN and L2TP. It supports DHCP, NAT, NAT-T, DynDNS, NTP, VRRP, control by SMS, and numerous other functions, as well as additional software. A password-protected web interface allows users to configure and manage the Spectre RT from remote locations. The router can automatically upgrade its configuration and firmware from the operator's central server, allowing for simultaneous mass reconfiguration of every router on the network.

Users can insert Linux scripts and create up to four different configurations for the same router. Examples include binary input configurations. Users may switch from one configuration to another at any time.

ORDERING INFORMATION

| MODEL NUMBER | 10/100 ETHERNET | RS-232 | RS-485 | WAN | USB | DIGITAL I/O |
|--------------|-----------------|--------|--------|-----|-----|-------------|
| ERT310 | 2 | | | • | • | • |
| ERT311 | 3 | | | • | • | • |
| ERT312 | 2 | 1 | | • | • | • |
| ERT314 | 2 | | 1 | • | • | • |

ACCESSORIES

C5UMB7FBG - Category 5e cable, grey, 2.1 m (7 ft.)

MDR-20-24 - Power supply, 24VDC, 1.0 A output power, DIN rail mount

MDR-40-24 - Power supply, 24VDC, 1.7 A output power, DIN rail mount

All product specifications are subject to change without notice.

ERT31x Series_3317ds

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SPECIFICATIONS

| INTERFACES | |
|------------------------|---|
| Standard | |
| Ethernet | 10/100 Mb |
| USB | USB Type A Host |
| Binary I/O | 1 input/1 output |
| Port Options | |
| Port 1 | Ethernet 10/100, RS-232, RS-422/485, Modbus, CNT (I/O) |
| Port 2 | RS-232, RS-422/485, Modbus, CNT (I/O) |
| I/O CNT | 4 Binary inputs, 1 Binary output (2 inputs maybe configured as counters) 2 Analog inputs, 1 Binary output |
| INTERNAL | |
| 32b ARM microprocessor | |
| 512 Mb DDR SDRAM | |
| 128 Mb Flash | |
| 1 Mb MRAM | |
| POWER | |
| Source | 10 – 30 VDC |
| Consumption | Maximum 200 mA (12 VDC) |
| MECHANICAL | |
| Dimensions | 11.4 x 9.5 x 4.2 cm (4.49 x 3.74 x 1.65 in) |
| Enclosure | Metal |
| Weight | 150 g |
| ENVIRONMENTAL | |
| Operating Temperature | -40 to 75°C |
| Storage Temperature | -40 to 85°C |

FEATURES

| | |
|---|--|
| Networking | DHCP – automatic IP addressing in LAN network |
| | NAT – IP address and ports translation between inside/outside network |
| | Firewall filtering of addresses, ports, protocols |
| | VRRP – virtual backup router function |
| | DynDNS client – access to the router with a dynamic IP address |
| | VLAN 802.11Q: virtual LAN |
| | QoS: quality of service |
| VPN Tunneling | Dial-in – Communicate via CSD call |
| | NTP client, NTP Server: time synchronization |
| | PPPoE Bridge – PPP frames encapsulation inside ETH frames |
| | IPsec, OpenVPN, L2TP – secure encrypted tunnels |
| | GRE tunnel – simple tunnel without security measures |
| Configuration and Diagnostics | HTTP server – configuration via web server |
| | Telnet – configuration and access to the file system |
| | SNMP – router diagnostics, communication with I/O and M-BUS |
| Additional Functions | Remote router group configuration change, switching among configuration profiles |
| | SSH – encrypted configuration and access to the file system |
| | Linux based: program your own applications |
| APPROVALS / CERTIFICATIONS | |
| CE, FCC, NEMA TS2 EN 301 511, v9.0.2 EN 301 908-1&2, v3.2.1 ETSI EN 301 489-1 V1.8.1 EN 60950-1:06 ed.2 + A11:09 + A1:10 IEC60068-2-27 - Shock, 50G peak, 11ms, 3 axes IEC60068-2-6 - Vibration, 10-500Hz, 4G, 3 axes | |

MECHANICAL DIAGRAM

