Spectre RT Industrial Routers

ERT31x Series

B+B SmartWorx

Powered by ADVANTECH

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 can't handle the job. With Ethernet, USB, I/O and auxiliary ports it's 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 the 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 may insert Linux scripts and they can create up to four different configurations for the same router. Examples would 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, 7 ft. (2.1 M), Grey

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

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

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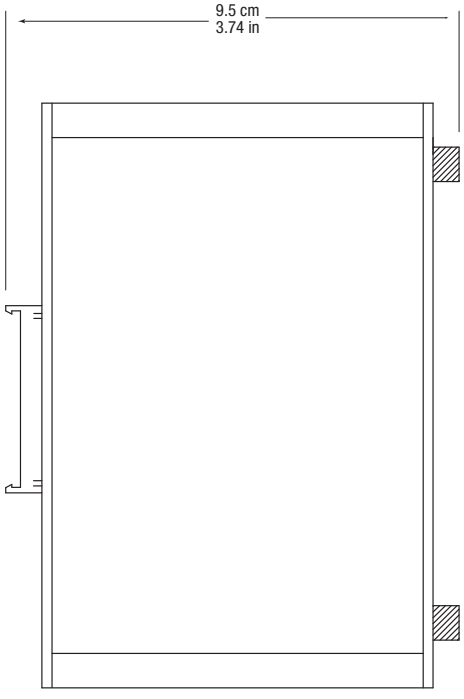
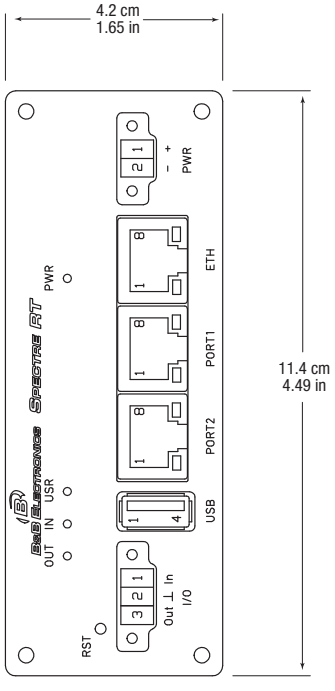
SPECIFICATIONS

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, I Binary output
INTERNAL	
32b ARM microprocessor	
512 Mb DDR SDRAM	
128 Mb Flash	
1 Mb MRAM	
POWER	
Source	10 – 30 VDC
Consumption	Max. 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 Dial-in – Communicate via CSD call NTP client, NTP Server: time synchronization PPPoE Bridge – PPP frames encapsulation inside ETH frames
VPN Tunneling	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 Remote router group configuration change, switching among configuration profiles SSH – encrypted configuration and access to the file system
Additional Functions	Linux based: program your own applications AT commands on RS232, Ethernet and I/O M-RAM memory inside – router statistic saved into memory
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





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