

# Industrial Broadband VPN Router

## WebPort 4005

Optional PSTN or  
GSM/GPRS modem

Ethernet (WAN)  
10/100mb port (RJ45) x 1

Ethernet (LAN)  
10/100mb port (RJ45) x 4

RS232/485/422 serial port

SSL based VPN with static  
or certificate public key  
encryption

Gateways serial protocol for  
Rockwell, Schneider, Omron  
and Siemens PLCs

Alarms management on  
PLC variables

Alarms notification by SMS,  
email or trap SNMP

24 VDC power supply,  
DIN rail mounting

1x digital input (alarms) and  
1x digital output (fail safe)

Configuration by embedded  
web page

Compatible with InSite-ViewON  
HMI software

Historical logging via battery  
backed-up clock



Powered By 

A Better Way to  
Manage Your Data

### Typical Applications

---

- Broadband ADSL secure PLC remote maintenance
- Secured site-to-site connection via Internet VPN
- Centralized monitoring by ADSL

### PLC and Device Support

---

- Allen-Bradley SLC500 and Logix families with DF1 and Ethernet/IP
- Schneider TSX Premium & Micro with UNITELWAY and XIP
- Schneider TWIDO with MODBUS/RTU
- Schneider Momentum/Quantum with MODBUS TCP and RTU
- Wago I/O modules with MODBUS TCP or RTU
- Siemens S7-200 with PPI and S7-300/400 using ISOTCP
- Omron CJ and CS with FINS TCP/UDP and FINS Hostlink
- LEM QWave power quality analyzer and much more...

### Remote Service

---

- Data acquisition on serial link with UNITE, MODBUS RTU, DF1, PPI and Hostlink and on Ethernet port with MODBUS TCP, EIP, FINS TCP, and ISO TCP
- Alarms management and notification by email, SMS, FTP put and SNMP trap
- Remote maintenance with the original PLC software on Ethernet or serial PLC port
- Remote access and control by standard web browser
- Configuration by embedded web page

### Routing & VPN

---

- VPN tunnel with shared key or PKI certificate
- NAT and IP filtering
- Internet callback and GPRS always connected features
- Dynamic IP DNS support

# Specifications



Powered By WON

<b>Gateways Ethernet/serial</b>	MODBUS TCP / MODBUS RTU; XIP / UNITE; Ethernet/IP / DF1; FINS TCP / FINS Hostlink; ISO TCP / PPI; VCOM / ASCII
<b>Programmable Gateways</b>	PPI, DF1, Unitelway, FINS Hostlink to MODBUS/TCP or SNMP. ASCII dedicated protocol to FTP, SNMP, MODBUS/TCP.
<b>Remote Service</b>	Data acquisition (Tagnames) in MODBUS/RTU, MODBUS/TCP, Unitelway, DF1, PPI, FINS Hostlink, FINS TCP, Ethernet/IP, ISO TCP, ASCII protocol.
<b>Alarms</b>	Alarm notification via email, FTP put and/or SNMP trap. Available standard limits to configure: very low, low, high, very high + dead zone and activation delay. Alarm summary and historian available in http and via FTP. Alarms cycle management: ALM, RTN, ACQ and END.
<b>MMI</b>	HTTP: system and user-defined web site. SNMP: 'TagName' read/write. FTP: whole set of parameters are available in files.
<b>Callback</b>	Call back (direct or via Internet) on user request or on amount of rings.
<b>Router, Firewall</b>	NAT, IP filtering & forwarding, dynamic DNS support.
<b>Script</b>	Dedicated application to be programmed using the BASIC language.
<b>VPN</b>	Based on OpenVPN 2.0, a SSL VPN solution based on SSL/TLS industry standard protocol.
<b>VPN Security</b>	Based on using SSL/TLS for session authentication and the IPsec ESP protocol for secure tunnel transport over UDP. It supports the X509 public key infrastructure (PKI) for session authentication, the TLS protocol for key exchange, the cipher-independent EVP (DES, 3DES, AES, BF) interface for encrypting tunnel data, and the HMAC-SHA1 algorithm for authenticating tunnel data.
<b>Internet</b>	RAS connection (PPP), PAP/CHAP security. Data compression, ISP connection primary and secondary, supports DNS.
<b>Synchronization</b>	Embedded real-time clock, manual set-up via http or automatic NTP setup with battery backup.
<b>File Management</b>	FTP client and server for configuration, firmware update and data transfer.
<b>Web Site</b>	Security: DAA and session control. HTML standard supports all PDA browsers. WebPort system and user web site. Server Side Include (SSI) technology and BASIC scripted ASP.
<b>Maintenance</b>	SNMP v1 with MIB2 and/or via FTP files.
<b>Hardware</b>	Din Rail Mounting. ARM processor at 75Mhz, 16Mb SDRAM, 8Mb Flash. Power supply: 12-24VDC +/-20%, SELV; consumption: 3-6 watts. 1x SUBD9 serial port: RS232, RS485; isolation available. 1x RJ45 WAN Ethernet 10/100 Base-TX; 1.5kV isolation. 4x RJ45 LAN Ethernet 10/100 Base-TX (integrated switch); 1.5kV isolation. 1x digital input: 0/24VDC; 3.5kV isolation. 1x digital output: open collector 200mA at 30VDC; 3.5kV isolation. Optional internal modem: PSTN 56kbds, or GSM/GPRS. Operating temperature range: 0° to 50° C, 80% humidity (non condensing). Dimensions: 4.72" depth x 4.13" height x 2.04" width, Weight: <300g. Certifications: CE, UL pending.

## Product Reference

*Catalog No.*  
WP45204  
WP45206

*Description*  
WebPort 4005 with Ethernet and PSTN 56k internal modem  
WebPort 4005 with Ethernet and GSM/GPRS internal modem



**Spectrum Controls, Inc.**  
P.O. Box 5533 | Bellevue, WA 98006 USA  
Tel 425-746-9481 | Fax 425-641-9473  
Email [spectrum@spectrumcontrols.com](mailto:spectrum@spectrumcontrols.com)  
[www.spectrumcontrols.com](http://www.spectrumcontrols.com)

