

You select...
You
 We connect
 We

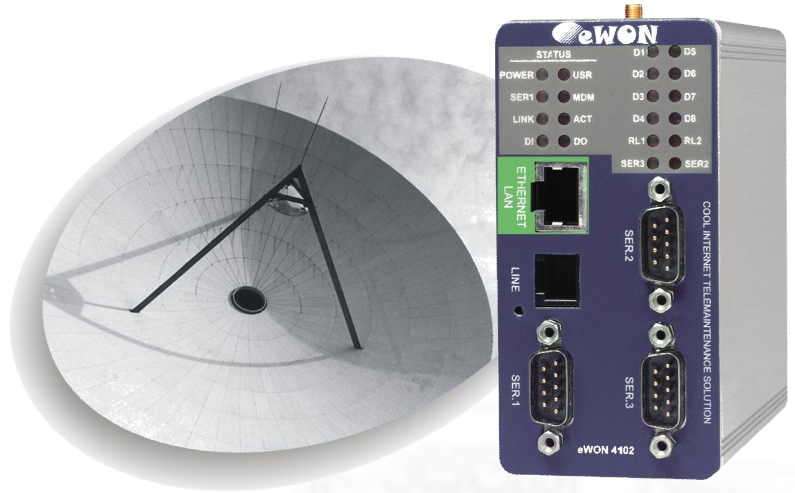


eWON 4102

Advanced Internet M2M Gateway

Highlights

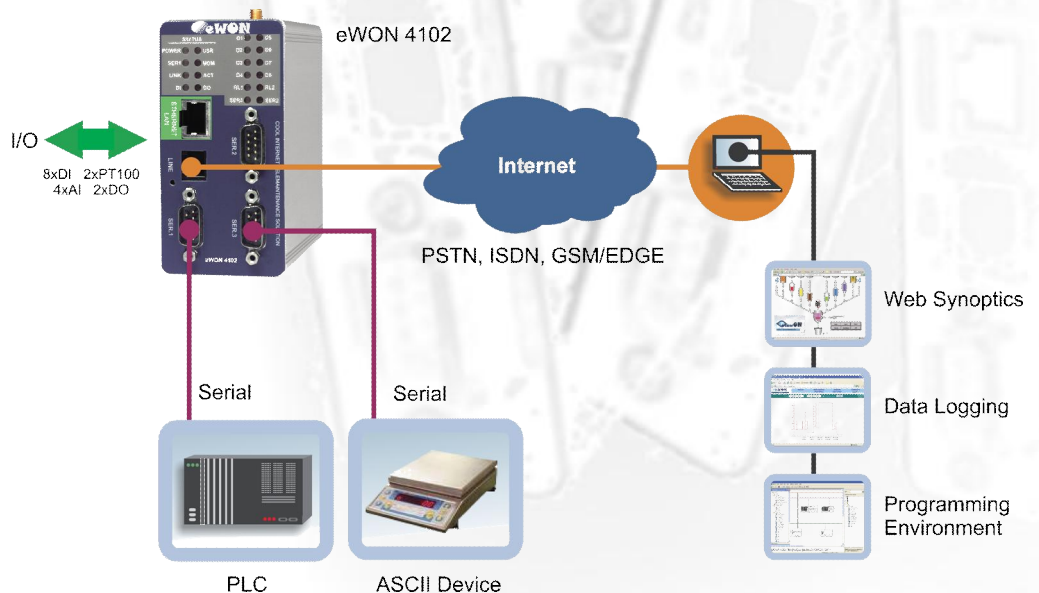
- Internet dialling within secure tunnelling connection (VPN)
- 8 x digital inputs, 4 x analog inputs, 2 x PT100, 3 x digital outputs
- 3 x Serial ports (DB9)
- Isolated Ethernet (RJ45) and Serial (DB9) interfaces supporting numerous PLC protocols
- Embedded PSTN, ISDN, GSM/GPRS or EDGE modem
- Alarms management on PLC variables with notification (SMS, email, FTP put or trap SNMP)
- Historical Logging & Reporting features
- Compatible with viewON 2, web HMI with animated synoptics
- Configuration by embedded web pages or FTP upload
- Full industrial design (24 VDC Power supply, Rail DIN mounting)



eWON 4102 is the Advanced Internet M2M Gateway for OEMs, infrastructure, utilities, and system integrator markets, offering several analogue & digital inputs/outputs and also 3 serial ports for connecting PLCs or any measuring devices, either serial or Ethernet. eWON 4102 has both Web and FTP servers embedded as well as an independent alarm management system, data logging and Web synoptic capabilities.

Typical Applications

- Remote metering devices for small numbers of I/Os through Internet
- Data concentrator for several serial devices
- Data logging and alarm notification for several automation systems and WEB HMI with animated synoptics for remote monitoring



Ethernet to Serial Gateways	MODBUS TCP to MODBUS RTU; XIP to UNITELWAY; EtherNet/IP™ to DF1; FINS TCP to FINS Hostlink; ISO TCP to PPI; VCOM / ASCII
Data Acquisition Protocols	In MODBUS/RTU, MODBUS/TCP, Unitelway, DF1, PPI, FINS Hostlink, FINS TCP, EtherNet/IP™, ISO TCP, ASCII. Stored in 350 internal tags
Alarms	Alarms notification by email, FTP put and/or traps SNMP Threshold: low, lowlow, high,highhigh + deadband and activation delay Alarms logs in http and via FTP Alarms cycle: ALM, RTN, ACK and END
Data Logging	Internal data base for data logging (Real-time logging and historical logging up to 130.000 points). Retrieval of the database with files transferred by FTP or email
Router	PPP dial-in, Internet PPP dial-out on demand, IP filtering, IP forwarding, NAT, Port forwarding, Proxy, Routing table
Internet	Through RAS connection (PPP), primary and secondary ISP (Internet Service Provider) connections, supports DNS and DynDNS
Call Back	Via ISP (Internet Service provider) connection on user request or on number of rings
VPN Tunnelling	Open VPN 2.0 either in SSL UDP or HTTPS
VPN Security	The VPN security model is based on using SSL/TLS for session authentication and the IPSec ESP protocol for secure tunnel transport over UDP. It supports the X509 PKI (public key infrastructure) 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
RAS Connection	PPP (Point-to-Point) Protocol with PAP/CHAP security and data compression
Script	Script interpreter for Basic language with development tools
Synchronization	Embedded real-time clock, manual setup via http or automatic via NTP
File Management	FTP client and server for configuration, firmware update and data transfer
Web Site	Security: Basic authentication and session control. HTML standard, supports PDA browsers. eWON system and user customizable Web sites. SSI technology (Server Side Include) and Basic scripted ASP (Active Server Pages). HTTP server. Also HTTP client allowing HTML Get & Put requests onto remote HTTP servers
Maintenance	SNMP V1 with MIB2 and/or via FTP files
Hardware	ARM processor @75Mhz, 8Mb SDRAM, 16Mb Flash, Din Rail Mounting Power supply 12 - 24VDC +/-20%, SELV; consumption: 3-6 watts 3 x SUBD9 serial port RS232, RS422 & RS485, 1x being isolated 1 x RJ45 Ethernet 10/100 baseTx; 1,5kV isolation 9 x digital inputs: 0/24VDC ; 3,5kV isolation 2 x digital outputs: relay ; 1kV isolation 1 x digital outputs : open collector 300mA@30VDC 4 x analog inputs: 4...20 mA or 0...10V (12bits) 2 x analog inputs PT 100, 2 wires, 12bits, range 0°C to 100°C Embedded modem: PSTN 56kbds or ISDN or Dual band GPRS or Quad band EDGE Operating Temperature range: 0° to 50°C, optional extended temperature range (-20 to 70°C – on request) available, 80% humidity (no condensation) Dimensions : 120(Depth) x 105(Height) x 50(Width) mm; Weight : <500gr CE labelled
Product Ref.: EW4420y-z	<ul style="list-style-type: none"> - y = 3 ISDN EU modem (on request) - y = 5 GSM/GPRS EU modem - y = 7 EDGE Quad Band - y = 4 PSTN 56kbds modem - y = 6 GSM/GPRS US modem <p>-----</p> <ul style="list-style-type: none"> - z = 6 without Web HMI Dynamic synoptics option, otherwise leave blank

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