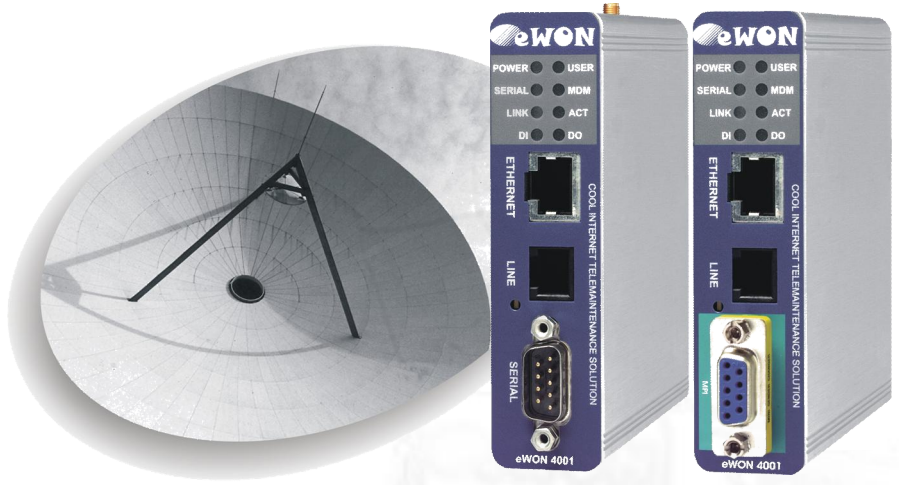


You select...  
**You**  
 We connect  
 We

# eWON 4001

## Advanced Industrial Modem Router



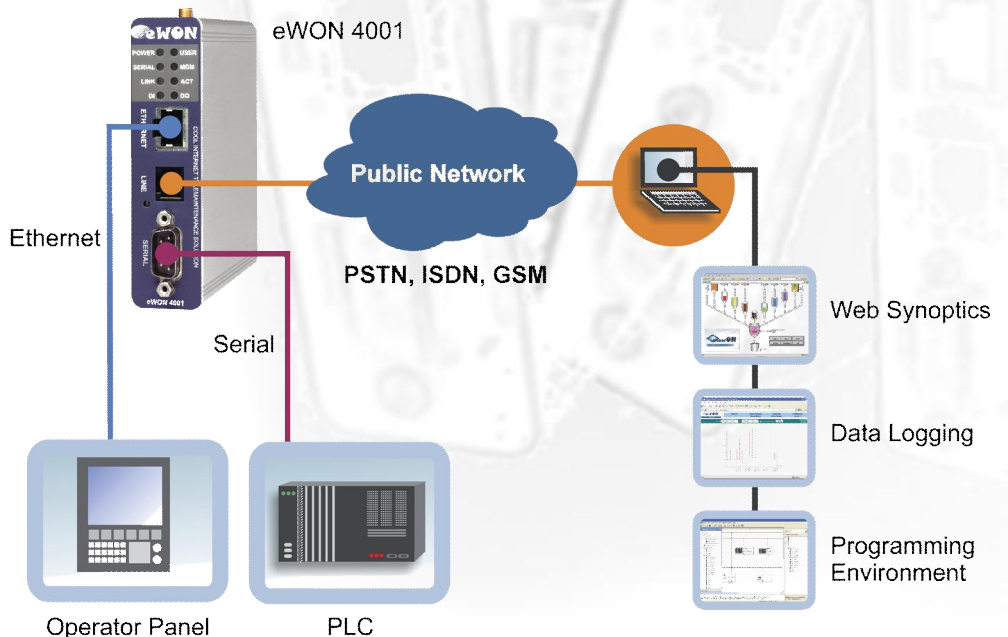
### Highlights

- Isolated Ethernet (RJ45) and Serial (DB9) interfaces supporting numerous PLC protocols
- Choice of embedded modems: PSTN, ISDN, GSM/GPRS, EDGE...
- Complete alarm cycle management system on PLC variables with notification (SMS, email, FTP put...)
- Data Logging & Reporting features
- Web HMI with animated synoptics
- Configuration via web pages or FTP upload
- 1 x digital input (alarm) and 1 x digital output
- Full industrial design (24 VDC Power supply, DIN Rail mounting)

eWON 4001 is the Advanced Industrial Modem-Router for the machine builder, OEM, infrastructure, utilities, and system integrator markets, offering full remote access to any PLC or automation device through its serial or Ethernet port. Seamlessly integrated with the PLC programming environment, eWON 4001 still monitors and collects data into internal tags while PLC maintenance is performed. eWON 4001 has both Web and FTP servers embedded as well as an independent alarm management system, data logging and Web synoptic capabilities.

### Typical Applications

- Modem IP Router within a Remote Access Service (RAS) connection
- Remote access for PLC maintenance
- Data logging & alarms for remote diagnostics; Web HMI animated web synoptics for remote monitoring



<b>Ethernet to Serial Gateways</b>	MODBUS TCP to MODBUS RTU; XIP to UNITELWAY; EtherNet/IP™ to DF1; FINS TCP to FINS Hostlink; ISO TCP to PPI or MPI; VCOM / ASCII
<b>Data Acquisition Protocols</b>	In MODBUS/RTU, MODBUS/TCP, Unitelway, DF1, PPI, MPI, FINS Hostlink, FINS TCP, EtherNet/IP™, ISO TCP, ASCII. Stored in 350 internal tags
<b>Alarms</b>	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
<b>Data Logging</b>	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
<b>Router</b>	PPP dial-in, Internet PPP dial-out on demand, IP filtering, IP forwarding, NAT, Port forwarding, Proxy, Routing table
<b>Call Back</b>	Direct callback through RAS connection on user request or on number of rings
<b>RAS Connection</b>	PPP (Point-to-Point) Protocol with PAP/CHAP security and data compression
<b>Script</b>	Script interpreter for Basic language with development tools
<b>Synchronization</b>	Embedded real-time clock, manual setup via http or automatic via NTP
<b>File Management</b>	FTP client and server for configuration, firmware update and data transfer
<b>Web Site</b>	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)
<b>Maintenance</b>	SNMP V1 with MIB2 and/or via FTP files
<b>Hardware</b>	ARM processor @75Mhz, 8Mb SDRAM, 16Mb Flash, Din Rail Mounting Power supply 12 - 24VDC +/-20%, SELV; consumption: 3-6 watts 1x SUBD9 serial port RS232, RS422 & RS485 isolated or MPI port isolated 1x RJ45 Ethernet 10/100 baseTx; 1,5kV isolation 1x digital input: 0/24VDC; 3,5kV isolation 1x digital output: open collector 200mA@30VDC; 3,5 kV isolation Embedded modem: PSTN 56kbds or ISDN or Quad band GPRS class10 or EDGE Operating Temperature range: 0° to 50°C, optional extended temperature range (-20 to 70°C) available, 80% humidity (no condensation) Dimensions : 120(Depth) x 105(Height) x 26(Width) mm; Weight : <300gr CE, UL labelled
<b>Product Ref.: EW412xy-z</b>	<ul style="list-style-type: none"> <li>- x = 0 with serial port RS232, 422 ou 485</li> <li>- x = 6 with MPI port</li> <li>- y = 3 ISDN EU modem (on request)</li> <li>- y = 4 PSTN 56kbds modem</li> <li>- y = 5 GSM/GPRS EU modem</li> <li>- y = 6 GSM/GPRS US modem</li> <li>- y = 7 EDGE quad band modem</li> <li>- z = 6 without Web HMI Dynamic synoptics option, otherwise leave blank</li> </ul>

Ref.: pds\_ew4001\_uk\_v80.doc

Your eWON distributor:



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List of local distributors & partn

ACT'L, established in 1992, is a Belgian electronic and industrial engineering company. With the successful launch of the eWON product line in 2001, ACT'L became a worldwide market challenger for intelligent Ethernet gateways and industrial IP routers. Thanks to its growing market recognition, the eWON concept and its service product range have become a reference and a quality standard for every major company in the industry.