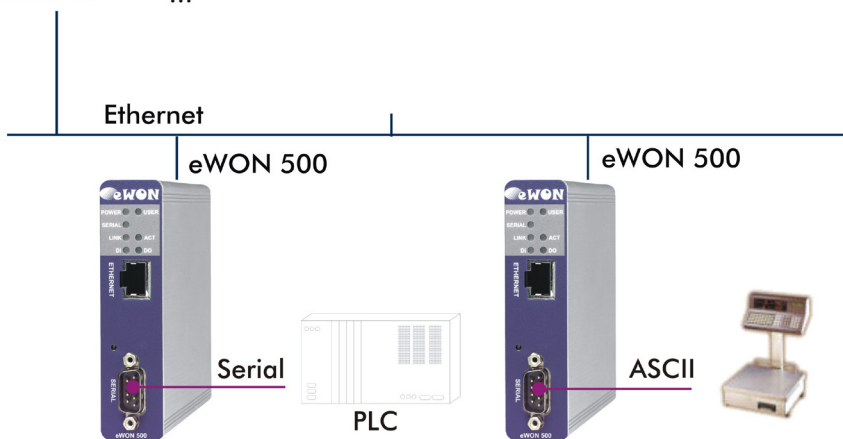# Serial-to-Ethernet Gateway
eWON 500/4001

eWON 500/4001 is the versatile Serial-to-Ethernet gateway for industrial applications. With its transparent gateway, eWON 500/4001 interfaces any serial PLCs or any serial automation devices to Ethernet. This allows them to be connected to Ethernet platforms and software (OPC servers, workstations with PLC programming software, etc…) for data polling and/or maintenance. eWON 500/4001 also performs data acquisition from PLCs or automation devices in various protocols, including raw ASCII mode. Additionally, it provides an alarm management system.

HIGHLIGHTS

- Transparent gateway supporting numerous PLC protocols: Modbus TCP/RTU, XIP/Unitelway, EtherNet/IP / DF1, FINS TCP/FINS Hostlink, ISOTCP/PPI, ISOTCP/MPI or PROFIBUS (S7)
- Data acquisition in internal tags
- Modbus TCP Master
- SNMP agent and server
- Alarm management on PLC variables with notification (SMS, email, FTP put or trap SNMP)
- Configuration by embedded web pages, files or FTP upload
- Powerful Basic script interpreter
- 1 x digital input and 1 x digital output
- Full industrial design (24 VDC Power supply, DIN Rail mounting)

eWON 4001 additional features

- Historical logging
- Compatible with viewON 2, web HMI with animated synoptics

TYPICAL APPLICATIONS

- Ethernet connectivity for serial PLCs
- Data acquisition for serial (ASCII) devices
- PLC ModbusTCP interface
- PLC SNMP agent
- Web interface & eMail for PLCs

ERP
Historian
SCADA
OPC Server
Modbus TCP server
…

Ethernet

eWON 500

eWON 500

Serial

PLC

ASCII

www.ewon.biz

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, MPI (S7) or PROFIBUS (S7); VCOM to ASCII
Data Acquisition Protocols	In MODBUS/RTU, MODBUS/TCP, Unitelway, DF1, PPI, MPI (S7), PROFIBUS (S7), FINS Hostlink, FINS TCP, EtherNet/IP™, ISO TCP, Mitsubishi FX, Hitachi EH, ASCII. Stored in 350 internal tags
Alarms	Alarms notification by email, FTP put and/or SNMP traps. Threshold: low, lowlow, high, highhigh + deadband and activation delay. Alarms logs in http and via FTP Alarms cycle: ALM, RTN, ACK and END
Script	Script interpreter for Basic language
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. 1x SUBD9 serial port RS232, RS485 not isolated or MPI/PROFIBUS port isolated (limited to 1,5Mbits) 1x RJ45 Ethernet 10/100 baseTx; 1,5kV isolation 1x digital input: 0/24VDC; 3,5kV isolation 1x digital output: open drain (MOSFET) 200mA@30VDC; 3,5 kV isolation Operating temperature range: 0° to 50°C, 80% humidity (no condensation) Dimensions : 105(Height) x 120(Depth) x 26(Width) mm; Weight : <300gr CE/UL labelled
Product Ref.: EW052x1	x = 0 with serial port RS232, 422 ou 485 x = 6 with MPI/PROFIBUS (S7) port

eWON 4001 additional features

Hardware	1x SUBD9 serial port RS232, RS485 isolated or MPI/PROFIBUS port isolated (limited to 1,5Mbits)
Datalogging	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.
Web HMI	Compatible with viewON 2, web HMI with animated synoptics
Product Ref.: EW412x1	x = 0 with serial port RS232, 422 ou 485 x = 6 with MPI/PROFIBUS (S7) port

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your eWON distributor