PRODUCT DATA SHEET

Industrial VPN LAN Router

eWON 2005CD/4005CD

HIGHLIGHTS

- Industrial LAN router with VPN tunnelling
- 1x Ethernet (WAN) 10/100mb port
- 4x Ethernet (LAN) 10/100mb port switch
- Ethernet and serial (DB9) interfaces supporting numerous PLC protocols
- Optional embedded PSTN, ISDN, 3G (UMTS) or 3G+ (HSUPA) modem
- Compliance with worldwide 2G/3G/3G+ networks
- SNMP agent and server
- Alarm management on PLC variables with notification (SMS, email, FTP put or SNMP trap)
- Programmable (Basic or Java)
- Configuration by embedded web pages, files or remote FTP upload
- 1 x digital input and 1 x digital output
- Full industrial design (24 VDC power supply, DIN Rail mounting)
- Extended temperature : -20°C to +70°C

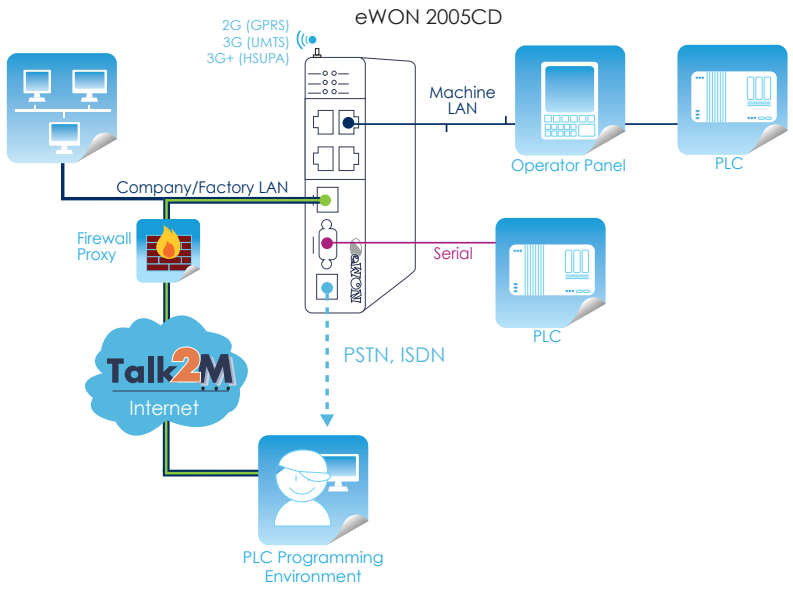
eWON 4005CD additional features

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

The eWON 2005CD/4005CD provides Machine Builders/OEMs and System Integrators with the most flexible and cost effective machine Internet remote access through a local LAN.

The eWON 2005CD/4005CD is a full industrial router featuring "Factory" LAN to "Machine" LAN routing functionalities with VPN tunnelling features. An optional embedded modem can also be used as a secondary or back up remote access to the "Machine" LAN. Seamlessly integrated with the PLC programming environment, an eWON 2005CD/4005CD still monitors and collects data into internal tags while PLC maintenance is performed. The eWON 2005CD/4005CD has a built-in Web server for configuration/HMI purposes and FTP functionalities for remote download/upload of data and configurations files. It provides also an independent alarm management system.

eWON 2005CD/4005CD are Talk2M ready. Machine Builders & OEMs, like system integrators, will use Talk2M to take full advantage of broadband or mobile Internet to remotely connect to their machines & installations worldwide. As simple as a mouse click, this web connectivity service is secured by VPN and provides reliable communication at optimized costs. Different pricing models are available including a free one.



TYPICAL APPLICATIONS

- Internet remote access through LAN for machineries/automation devices
- Remote diagnosis and monitoring operations with alarms notification, datalogging and animated web HMI capabilities

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
Router	PPP dial-in, Internet PPP dial-out on demand, IP filtering, IP forwarding, NAT, Port forwarding, Proxy, Routing table, DHCP client
Internet	Through RAS connection (PPP), primary and secondary ISP (Internet Service Provider) connections, supports DNS and DynDNS
Call-Back	Direct call-back or 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
Programmable	Script interpreter for Basic language, embedded Java 2 Micro Edition environment
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, 16Mb SDRAM, 32Mb Flash, Din Rail Mounting Power supply 12 - 24VDC +/-20%, SELV; consumption: 10 watts. 1x SUBD9 serial port RS232, RS485 not isolated or MPI/PROFIBUS port isolated (12Mbits) 1x RJ45 Ethernet 10/100 base Tx; 1,5kV isolation 4 x RJ45 LAN Ethernet 10/100 base Tx (integrated Switch); 1,5kV isolation 1x digital input: 0/24VDC; 3,5kV isolation 1x digital output: open drain (MOSFET) 200mA@30VDC; 3,5 kV isolation Embedded modem: PSTN or ISDN or 3G (UMTS) or 3G+ (HSUPA) Operating temperature range: -20°C to 70°C (except for PSTN/ISDN versions), 80% humidity (no condensation) Dimensions : 129(Height) x 108(Depth) x 39(Width) mm; Weight : <500gr CE/cCSAus labelled
Product Ref.: EW262xy	x = 0 with serial port RS232, 422 or 485 x = 6 with MPI/PROFIBUS (S7) port y = 1 No Modem y = 3 ISDN EU (on request) y = 4 PSTN y=B UMTS y = A HSUPA Global

eWON 4005CD additional features

Hardware	1x SUBD9 serial port RS232, RS485 isolated or MPI/PROFIBUS port isolated (12Mbits)
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.: EW462xy	x = 0 with serial port RS232, 422 or 485 x = 6 with MPI/PROFIBUS (S7) port y = 1 No Modem y = 3 ISDN EU (on request) y = 4 PSTN y=B UMTS y = A HSUPA Global

MACHINES CAN TALK

Nov 11

Your eWON distributor