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 UNITEWAY: 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. Thresholds: low, low low, high, high high + 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 Tunneling
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 Tc: 1.5kV isolation
4 x RJ45 LAN Ethernet 10/100 base Tc (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

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