MACHINES CAN TALK

INDUSTRIAL REMOTE ACCESS ROUTER

eWON Cosy 131

Highlights

- Easy installation using customer's LAN

- Integrated WiFi, Cellular connectivity

- Firewall friendly outbound connection

- Standard ports used: 443 (HTTPS), 1194 (UDP)

- Possibility to control VPN access with external key switch

- SD card reader

- USB connectivity for serial devices connectivity

- Full industrial design (24 VDC power supply, DIN rail wall mounting)

Typical Applications

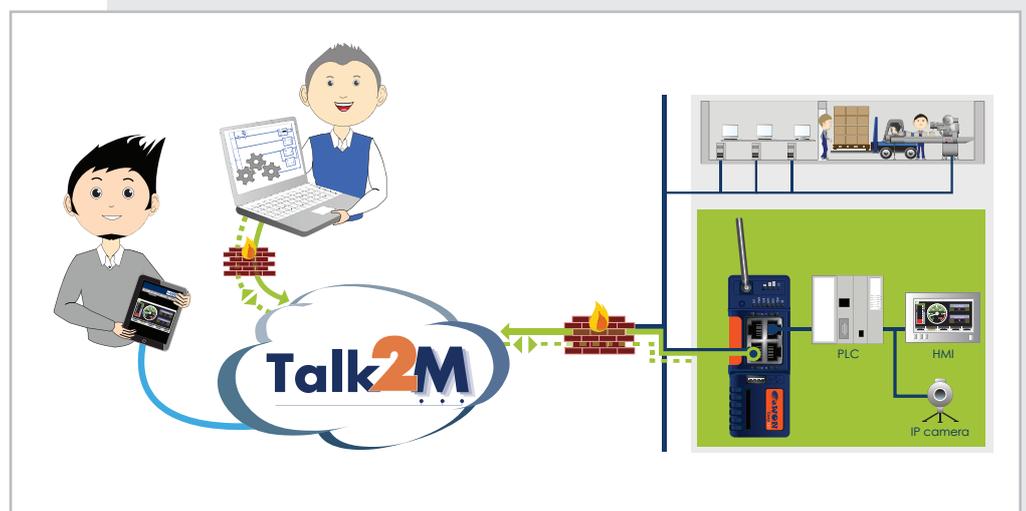- Remote access to PLC/HMI/IPC/IP camera/...

- PLC remote maintenance

The eWON Cosy is an industrial remote access router that is designed to offer easy remote access, across the Internet, to machines and installations at customers or in the field.

With eWON Cosy, OEMs and System Integrators can troubleshoot machines, debug the PLC program, upload projects, gain remote use of an HMI or an IP camera, without going on site, drastically reducing support costs.

The eWON Cosy lets maintenance engineer establish a secure VPN connection from the machine to anywhere via Talk2M, eWON's cloud-based remote connectivity solution. The router seamlessly communicates on the local area network with the PLC and the HMI, and allows remote connection from anywhere with a simple laptop, tablet or smartphone. eWON Cosy and Talk2M make working across the Internet easy, so the user does not need to be an IT expert to take advantage of it.

Cosy 1 2 3

Standards & Directives

WAN Ethernet	Configurable 0 to 3 ports 10/100 Mb Ethernet
LAN Ethernet	Configurable 1 to 4 ports 10/100Mb Ethernet
Field interface	USB female connector, future use
SD card reader	Yes, future use
Router	IP filtering, IP forwarding, NAT, Port forwarding, Proxy, Routing table, DHCP client
Internet	Outbound connection for Talk2M using HTTPS (port 443 or UDP 1194)
VPN Tunnelling	OpenVPN 2.0 either in SSL or HTTPS
TalK2M	Talk2M FREE+ or TalK2M pro native support
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
Synchronization	Embedded real-time clock, manual setup via http or automatic via NTP
File Management	FTP client and server for configuration, firmware update
Web Site	Embedded web interface with setup wizards for configuration and maintenance (no extra software needed). Basic authentication (login/password) and session control for security.
Maintenance	SNMP V1 with MIB2 and / or via FTP files
Mechanicals	Din rail or wall screw fixing system, Dimensions: 108 x 99 x 42 mm (H x D x W) 191 gr
Power supply	12-24 VDC +/-20%, LPS
Extended Temperature Range	Operating: -25°C to +70°C, 10 to 95% relative humidity (non-condensing) Storage: -40°C to +70°C, 10 to 95% relative humidity (non-condensing)
Hardware	1xDO: open drain (MOSFET) 200mA; isolation 2.5kV, 2xDI: 0 to 24VDC; 2.5 kV isolation
Marking	CE0682, cULus listed, FCC
Warranty	24 months

Features for the EC6133D (cellular 3G)

Frequencies	GSM/GPRS/EDGE Quad-Band (850, 900, 1800, 1900 MHz) - HSPA+ UMTS Pentaband module (800/850, 900, AWS 1700, 1900, 2100 MHz)
Antenna Connector	Type SMA - Female
Antenna	not included in the delivery
Weight	202 gr

Features for the EC 6133C (WiFi)

WAN Connectivity	Ethernet or WiFi 802.11 b/g/n
Frequencies	Channels: 1 to 11(inclusive)
Security	WPA2, WPA and WEP
Antenna Connector	Reverse SMA connector
Antenna	Included in the delivery; frequency: 2.4GHz; impedance: 50 Ohms, gain: 2.0dBi
Weight	199 gr

Standards & Directives

Type tests	Temperature - Operating & Storage tested according to: 　IEC 60068-2-1　Cold test 　IEC 60068-2-2　Dry heat test 　IEC 60068-2-14 Change of temperature 　IEC 60068-2-30 Cyclic damp heat test Vibration & shocks tested according to: 　IEC 60068-2-27 Bumps 　IEC 60068-2-64 Vibration (broad-band random) 　IEC 60068-2-6 Vibration (sinusoidal)
Environmental	Conform to: 　2011/65/EU RoHS directive 　1907/2006 REACH regulation
CE	Compliant with: 　EMC directive 2004/108/EC 　R&TTE directive 1999/05/EC 　RoHS directive 2011/65/EU 　REACH regulation 1907/2006 According to standards: 　EMC: ITE; emission Class A 　　EN55022; EN55024 　　EN301489-1; EN301489-7; EN301489-17; EN301489-24 　Spectrum: 　　EN301511; EN301908-1 & -2 　　EN300328 　Health: EN62311 　Safety: EN60950 Notified Body Expert Opinion: E817189B-EO
FCC	Compliant with CFR 47, part 15B Class A; 15C; 22H; 24E; 27
IC	Compliant with IC (Industry Canada) RSS-132; RSS-133; RSS-139; RS-210
Japan	This equipement has the Type Approval Certification based on the Radio Law
Safety	Conform to: 　EN60950-1; UL60950-1; CSA-C22.2 n° 60950-1-07 　UL listed: file number# 350576 　CB Certificate n° DK-42240-UL

Part Number	Description
EC61330	Industrial Router COSY131 WAN/LAN/USB
EC6133D	Industrial Router COSY131 WAN/LAN/USB + Cellular 3G
EC6133C	Industrial Router COSY131 WAN/LAN/USB + WIFI

Rev 1.0. Subject to change without notice.

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