Ewon Cosy+ ETH

The Ewon Cosy+ is an industrial VPN gateway designed to offer secure remote access across the Internet, to machines and equipment at customers' sites or in the field.

NEW!

Key Benefits

EASIER THAN EASY	Straightforward setup, to make any machine IIoT-ready in a matter of minutes. Non-intrusive outbound connections, requiring no change on the existing network. Reach your equipment in 2 clicks, wherever it is.
NO HIDDEN COSTS	Start immediately with a free Talk2M account, supporting an unlimited number of devices and users. Connect from any device, with the free desktop, web and mobile apps.
IT APPROVED	Trusted chain from Hardware to the Cloud: • Hardware Root Of Trust brings security to the core of the hardware. • **Secure Element**, the perfect place to store crucial secrets. • Birth certificate to prevents cloning and counterfeiting. • Secure boot sequence ensuring that only code signed by Ewon is executed. • Restrictive list of most secured cypher suites to protect the communications with Talk2M. Proven security posture: • Certified ISO 27001 & cybersecurity partnership with NVISO. • Solution based on the latest open standard technologies. Manage the connectivity of all your machines and collaborators from one place.
READY TO USE AND RELIABLE	35+ servers spread worldwide for coverage and maximal business continuity. Global and reliable infrastructure, with an extensive Service Level Agreement. Scalability: add at any time as many devices and users as you need. Email & SMS relay services, to receive notifications from your machine.

PLC Connectivity

Remote access possibilities:
Using the Ewon Cosy, you can remotely connect to your PLC using its Ethernet port or its USB interface.
USB device support depends on the compatibility between the USB driver used on the PC and the Talk2M USB integration.
In principle, all PLC models with an Ethernet port are supported.
Below is a non-exhaustive list of some of the compatible devices for major PLC brands:

Rockwell Automation/Allen Bradley	SLC5/500 Series (over Eth) Micro/Compact/Control Logix Series (over Eth/USB)
Siemens	S7-200/300/400/1200/1500 (over Eth) Logo (over Eth)

Schneider Electric	TSX Series (over Eth) M Series (M258, M340, ...) (over Eth/USB)
Mitsubishi	iQ-R, iQ-F series (over Eth) Q, F, L series (over Eth)
VIPA	Speed 7 series (over Eth)
OMRON	C, CJ, CP, CS Series (over Eth/USB) NJ, NX Series (over Eth/USB)
HITACHI	EH Series

Technical Specifications

WAN Ethernet	up to 3 ports,10/100 Mb Ethernet.
LAN Ethernet	up to 4 ports,10/100 Mb Ethernet.
Field interface	Up to 10 USB 2.0 connections, female connector 2.0.
SD Card reader	YES, for Cosy commissioning (firmware upgrade, backup, Talk2M registration).
Router	IP filtering, IP forwarding, NAT, Port forwarding, Proxy, Routing table, DHCP client/server.
Internet	Outbound connection for Talk2M through port TCP 443 (and optionally port UDP 1194).
VPN Tunneling	OpenVPN either in SSL UDP or TCP.
Talk2M	Talk2M Free+ or Talk2M Pro, natively supported.
VPN Security	Communications between the remote user and the Ewon gateway are fully encrypted using the SSL/TLS protocol, thereby ensuring data authenticity, integrity & confidentiality. All users and Ewon units are authenticated using x509 SSL certificates and end-to-end traffic is encrypted using strong symmetric & asymmetric algorithms that are part of the SSL/TLS protocol cipher suite.
Synchronization	Embedded real-time clock, manual setup via the web interface or automatic via NTP.
File Management	FTP server for configuration, firmware update.
Web-based configuration	Embedded web interface with setup wizards for configuration and maintenance (no additional software needed). Basic authentication (login/password) and session control for security.
Mechanicals	Dimensions: 108,80 x 99 x 43,60 mm (H x D x W). DIN rail or wall screw fixing system.
Weight	205 gr.
Power supply	12-24 VDC +/-20%, LPS.
Temperature Range	Operating: -25°C to +60°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 1.5kV, 2xDI: 0 to 24VDC; 1.5 kV isolation.
Marking	CE, cULus, FCC, CAN ICES-3(B)/NMS-3(B)
Warranty	36 months

Certifications

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)
CE	Compliant with: EMC directive 2014/30/EU (Immunity: industrial level) ROHS2 2011/65/EU directive with amendment 2015/863 REACH regulation
FCC/IC	This product complies with the Part 15 of the FCC rules.
Japan	This device complies with Japanese regulations.
Safety	The product fulfils the requirements of: EN 62368-1:2014 + A11:2017 Ul 62368-1 Second Edition CAN/CSA C22.2 No. 62368-1-14 Second Edition

Ordering Information

ORDER CODE: EC71330_00MA
MODEL NUMBER: Model 01702
WARRANTY: 3 years
For purchasing instructions and terms and conditions, see: → How to buy
Do you want the advice of our experts? → Contact Us

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New Cosy+ Range

Pick up the right Internet Connectivity

Ewon Cosy 131 - ETH

The Ewon Cosy 131 is an industrial VPN gateway designed to offer easy remote access, across the Internet, to machines and installations on customer sites or in the field.

Key Benefits

EASIER THAN EASY	Quick setup wizard Works out-of-the-box with all major PLC/HMI brands and USB enabled devices Machine (PLC) can be kept operational during installation Easy to commission without local connection
NO HIDDEN COSTS	FREE VPN client for desktop & mobile Included VPN cloud access Unlimited number of machines & users
IT APPROVED	Exclusive outbound connection for high security Two-factor authentication, audit trail & network segregation Remote access can be controlled (on/off) by end-user with an external key switch ISO27001 approved
HIGH AVAILABILITY	30+ servers spread worldwide to for always-ready Remote Access Easily add Ewon Cosy devices and users to your account Configurable SMS and Email notification for pro-active maintenance Secondary WAN interface for backup Internet Connectivity

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Mitsubishi Electric	iQ-R, iQ-F series (over Eth) Q, F, L series (over Eth)
VIPA	Speed 7 series (over Eth)
OMRON	C, CJ, CP, CS Series (over Eth/USB) NJ, NX Series (over Eth/USB)
HITACHI	EH Series
KEYENCE	KV series
Yokogawa	e-RT3 series, FA-M3V series

*remote access to safety PLC devices (-F series) is not supported

Technical Specifications

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SD Card reader	YES, for Cosy commissioning (firmware upgrade, backup, Talk2M registration).
Router	IP filtering, IP forwarding, NAT, Port forwarding, Proxy, Routing table, DHCP client/server.
Internet	Outbound connection for Talk2M using HTTPS (port 443 or UDP 1194).
VPN Tunneling	OpenVPN either in SSL UDP or HTTPS.
Talk2M	Talk2M Free+ or TalK2M Pro, natively supported.
VPN Security	Communications between the remote user and the Ewon are fully encrypted using the SSL/TLS protocol, thereby ensuring data authenticity, integrity & confidentiality. All users and Ewon units are authenticated using x509 SSL certificates and end-to-end traffic is encrypted using strong symmetric & asymmetric algorithms that are part of the SSL/TLS protocol cipher suite.
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Mechanicals	Dimensions: 108,80 x 99 x 43,60 mm (H x D x W). DIN rail or wall screw fixing system.

Weight	205 gr.
Power supply	12-24 VDC +/-20%, LPS.
Extended Temperature Range	Operating: -25°C to +60°C, 10 to 95% relative humidity (non-condensing). Storage: -30°C to +70°C, 10 to 95% relative humidity (non-condensing).
Hardware	1xDO: open drain (MOSFET) 200mA; isolation 1.5kV, 2xDI: 0 to 24VDC; 1.5 kV isolation.
Marking	CE, cULus, FCC, UKCA
Warranty	36 months

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CE	Compliant with: EMC directive 2014/30/EU (Immunity: industrial level) ROHS2 2011/65/EU directive with amendment 2015/863 REACH regulation
UKCA	Compliant with: Electromagnetic Compatibility Regulations 2016; Radio Equipment Regulations 2017; The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012.
FCC/IC	This product complies with the Part 15 of the FCC rules.
Japan	This device complies with Japanese regulations.
Other	South Korea KC, Russia FSS notification
Safety	The product fulfils the requirements of: EN 62368-1:2014 + A11:2017 UL 62368-1 Second Edition CAN/CSA C22.2 No. 62368-1-14 Second Edition EN 60950-1:2006 + A1:2010 + A11:2009 + A12:2011 + A2:2013

File	Version	Size	Read online

Ordering Information

DER CODE: EC61330_00MA