# 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

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

## PLC Connectivity

| | |
|---|---|
| **Rockwell Automation/Allen Bradley** | SLC5/500 Series<br>Micro/Compact/Control Logix Series<br>Micro Series |
| **Siemens** | S5 Series*<br>S7-200/300/400/1200/1500**<br>Logo |
| **Schneider Electric** | TSX Series<br>M Series (M258, M340,...)<br>Twido Series |

| Mitsubishi | iQ/FX5 Series |
| | Q series |
| | L Series |
| | FX3 series |
| **VIPA** | Speed 7 series |
| **OMRON** | C, CJ, CP, CS Series |
| | N Series |
| **HITACHI** | EH Series |
| **Generic Modbus TCP/RTU** | Any Modbus TCP/RTU Slaves |
| | (Beckoff, Crouzet, ABB, Delta,...) |
| **Generic OPCUA** | Any OPCUA Servers |
| | (B&R, Beijer, Beckoff,...) |
| **Generic BACNET IP** | Any BACNET IP Servers |
| **Generic SNMP** | Any SNMP v1 servers |

\* polling only, no remote access

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

## 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 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. |
| **Synchronization** | Embedded real-time clock, manual setup via http 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. |
| 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 1.5kV, 2xDI: 0 to 24VDC; 1.5 kV isolation. |
| Making | CE, cULus listed, FCC. |
| 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 RE directive 2014/53/EU 2011/65/EU ROHS2 directive with amendment 2015/863 REACH regulation According to standards: EMC: ITE; emission Class A EN55032; EN55024 EN301489-1; EN301489-17; EN301489-24; EN301489-52 Spectrum: EN301511; EN301908-1 & -2 & -13 EN300328 Health: EN62311 Safety: EN60950-1, EN62368-1 |
| FCC/IC | This product complies with the Part 15 of the FCC rules. |
| Japan | This device complies with Japanese regulations. |
| Safety | Conform to: EN/IEC60950-1:2006+A11:2009+A1:2010+A12 :2011+A2 :2013; UL60950-1; CSA-C22.2 n° 60950-1-07 CB Certificate n° DK-42240-A1-UL, EN/IEC 62368-1: 2014+A11: 2017 UL 62368-1 Second Edition, |

| CAN/CSA C22.2 No. 62368-1-14 Second Edition |
| CB Certificate n°DK-72992-A1-UL |
| UL listed: file number# 350576 |

# Ordering Information

**ORDER CODE: EC61330_00MA**

**WARRANTY:** 3 years

For purchasing instructions and terms and conditions, see: $\rightarrow$ How to buy

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