



## Ewon Cosy 131 - WiFi

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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|--------------------------|---|
| <b>EASIER THAN EASY</b>  | <ul style="list-style-type: none"><li>Quick setup wizard</li><li>Works out-of-the-box with all major PLC/HMI brands and USB enabled devices</li><li>Machine (PLC) can be kept operational during installation</li><li>Easy to commission without local connection</li></ul>                 |
| <b>NO HIDDEN COSTS</b>   | <ul style="list-style-type: none"><li>FREE VPN client for desktop &amp; mobile</li><li>Included VPN cloud access</li><li>Unlimited number of machines &amp; users</li></ul>   |
| <b>IT APPROVED</b>       | <ul style="list-style-type: none"><li>Exclusive outbound connection for high security</li><li>Two-factor authentication, audit trail &amp; network segregation</li><li>Remote access can be controlled (on/off) by end-user with an external key switch</li><li>ISO27001 approved</li></ul> |
| <b>HIGH AVAILABILITY</b> | <ul style="list-style-type: none"><li>30+ servers spread worldwide to for always-ready Remote Access</li><li>Easily add Ewon Cosy devices and users to your account</li></ul>   |

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| Configurable SMS and Email notification for pro-active maintenance<br>Secondary WAN interface for backup Internet Connectivity |
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## 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:

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| <b>Rockwell Automation/Allen Bradley</b> | SLC5/500 Series (over Eth)<br>Micro/Compact/Control Logix Series (over Eth/USB) |
| <b>Siemens</b>                           | S7-200/300/400/1200/1500 (over Eth)*<br>Logo (over Eth)                         |
| <b>Schneider Electric</b>                | TSX Series (over Eth)<br>M Series (M258, M340, ...) (over Eth/USB)              |
| <b>Mitsubishi Electric</b>               | iQ-R, iQ-F series (over Eth)<br>Q, F, L series (over Eth)                       |
| <b>VIPA</b>                              | Speed 7 series (over Eth)   |
| <b>OMRON</b>                             | C, CJ, CP, CS Series (over Eth/USB)<br>NJ, NX Series (over Eth/USB)             |
| <b>HITACHI</b>                           | EH Series   |
| <b>KEYENCE</b>                           | KV series   |
| <b>Yokogawa</b>                          | e-RT3 series, FA-M3V series   |

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

## Technical Specifications

|                          |  |
|--------------------------|--|
| <b>WAN Connectivity</b>  | Ethernet or WiFi 802.11 b/g/n.   |
| <b>Frequencies</b>       | Channels: 1 to 11(inclusive).  |
| <b>Security</b>          | WPA2, WPA and WEP.   |
| <b>Antenna Connector</b> | RP-SMA female connector.   |
| <b>Antenna</b>           | Included in the delivery; frequency: 2.4GHz; impedance: 50 Ohms; gain: 2.0dBi.               |
| <b>WAN Ethernet</b>      | Up to 3 ports, 10/100 Mb Ethernet.   |
| <b>LAN Ethernet</b>      | Up to 4 ports, 10/100 Mb Ethernet.   |
| <b>Field interface</b>   | Up to 10 USB 2.0 connections, female connector 2.0   |
| <b>SD Card reader</b>    | YES, for Cosy commissioning (firmware upgrade, backup, Talk2M registration).                 |
| <b>Router</b>            | IP filtering, IP forwarding, NAT, Port forwarding, Proxy, Routing table, DHCP client/server. |
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|-----------------------------------|--|
| <b>Internet</b>                   | Outbound connection for Talk2M using HTTPS (port 443 or UDP 1194).   |
| <b>VPN Tunneling</b>              | OpenVPN either in SSL UDP or HTTPS.  |
| <b>Talk2M</b>                     | Talk2M Free+ or Talk2M Pro, natively supported.  |
| <b>VPN Security</b>               | 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. |
| <b>Synchronization</b>            | Embedded real-time clock, manual setup via http or automatic via NTP.  |
| <b>File Management</b>            | FTP server for configuration, firmware update.   |
| <b>Web-based configuration</b>    | Embedded web interface with setup wizards for configuration and maintenance (no additional software needed). Basic authentication (login/password) and session control for security.   |
| <b>Mechanicals</b>                | Dimensions: 108,80 x 99 x 43,60 mm (H x D x W).<br>DIN rail or wall screw fixing system.   |
| <b>Weight</b>                     | 214 gr.  |
| <b>Power supply</b>               | 12-24 VDC +/-20%, LPS.   |
| <b>Extended Temperature Range</b> | Operating: -25°C to +60°C, 10 to 95% relative humidity (non-condensing).<br>Storage: -30°C to +70°C, 10 to 95% relative humidity (non-condensing).   |
| <b>Hardware</b>                   | 1xDO: open drain ( MOSFET) 200mA; isolation 1.5kV,<br>2xDI: 0 to 24VDC; 1.5 kV isolation.  |
| <b>Marking</b>                    | CE, cULus, FCC, UKCA   |

## Certifications

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|-------------------|---|
| <b>Type tests</b> | Temperature - Operating & Storage tested according to:<br>IEC 60068-2-1 Cold test<br>IEC 60068-2-2 Dry heat test<br>IEC 60068-2-14 Change of temperature<br>IEC 60068-2-30 Cyclic damp heat test<br>Vibration & shocks tested according to:<br>IEC 60068-2-27 Bumps<br>IEC 60068-2-64 Vibration (broad-band random)<br>IEC 60068-2-6 Vibration (sinusoidal) |
| <b>CE</b>         | Compliant with:<br>RE directive 2014/53/EU<br>ROHS2 2011/65/EU directive with amendment 2015/863<br>REACH regulation  |
| <b>UKCA</b>       | 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.   |
| <b>FCC/IC</b>     | This product complies with the Part 15 of the FCC rules.  |
| <b>Japan</b>      | This device complies with Japanese regulations.   |

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|---------------|---|
| <b>Other</b>  | South Korea KC, WPC India, Russia FSS notification  |
| <b>Safety</b> | The product fulfils the requirements of:<br>EN 62368-1:2014 + A11:2017<br>UL 62368-1 Second Edition<br>CAN/CSA C22.2 No. 62368-1-14 Second Edition<br>EN 60950-1:2006 + A1:2010 + A11:2009 + A12:2011 + A2:2013 |

## Ordering Information

**ORDER CODE: EC6133C\_00MA**

**MODEL NUMBER : 01801**

**WARRANTY:** 3 years

For purchasing instructions and terms and conditions, see: → [How to buy](#)

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