

INDUSTRIAL REMOTE ACCESS GATEWAY

Highlights

- Integrated WiFi or Cellular options, including 4G versions for Europe (EU) or North America (NA)
- Firewall friendly outbound connection
- Standard ports used: 443 (HTTPS), 1194 (UDP)
- Possible to configure the Digital Inputs to control internet connection with external key switch or to send alarm notification
- SD card option for easy commissioning
- USB connectivity for micro-PLCs
- 24 VDC power supply and DIN rail mount

Typical Applications

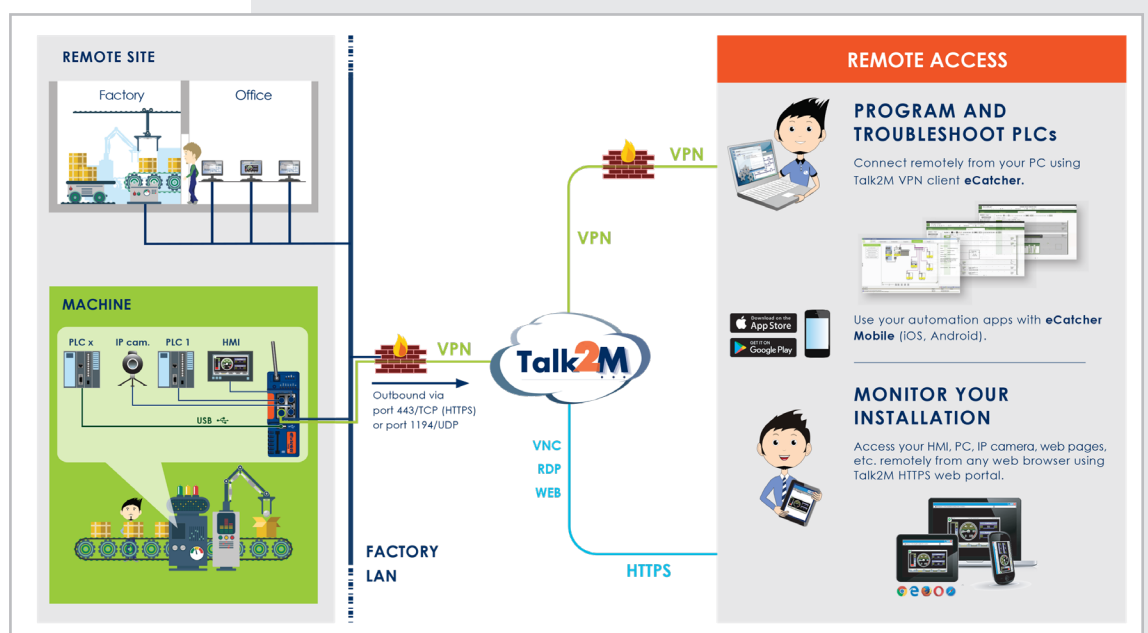
- Remote access to PLC, IPC, HMI or IP camera
- PLC remote Service and Support



The eWON Cosy is an industrial remote access gateway that is designed to offer scalable and secure remote access to machines in the factory.

Machine Builders, Line Builders, and System Integrators can troubleshoot machines, debug PLC programs, upload projects, and gain remote control of an HMI or an IP camera, all without going on site. This drastically reduces support costs for them and their customers.

The eWON Cosy establishes a secure VPN connection from the machine to anywhere in the world via Talk2M, a 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 a computer, tablet, or smartphone. eWON Cosy and Talk2M make connectivity easy, and don't require the user to be an IT expert to take advantage of the time and cost saving advantages.



Standards & Directives

| | |
|----------------------------|--|
| WAN Ethernet | Up to 3 ports, 10/100 Mb Ethernet |
| LAN Ethernet | Up to 4 ports, 10/100Mb 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 x 99 x 42 mm (H x D x W) Weight: 191 gr DIN rail or wall screw fixing system |
| 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 |
| Marking | CE, cULus listed, FCC |
| Warranty | 36 months |

Features for the EC6133G (cellular 4G EU)

| | |
|-------------------|---|
| Bands | 4G: B1, B3, B7, B8, B20 3G: B1, B8 Automatic fallback to 3G |
| Antenna Connector | Type SMA - Female |
| Antenna | not included in the delivery |
| Weight | 202 gr |

Features for the EC6133H (cellular 4G NA)

| | |
|-------------------|---|
| Bands | 4G: B2, B4, B5, B12/B13 3G: B2, B5 Automatic fallback to 3G |
| Antenna Connector | Type SMA - Female |
| Antenna | not included in the delivery |
| Weight | 202 gr |

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 | RP-SMA female connector |
| Antenna | Included in the delivery; frequency: 2.4GHz; impedance: 50 Ohms, gain: 2.0dBi |
| Weight | 199 gr |

Standards & Directives

| | |
|------------|---|
| Type tests | <p>Temperature - Operating & Storage tested according to:</p> <ul style="list-style-type: none"> 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 <p>Vibration & shocks tested according to:</p> <ul style="list-style-type: none"> IEC 60068-2-27 Bumps IEC 60068-2-64 Vibration (broad-band random) IEC 60068-2-6 Vibration (sinusoidal) |
| CE | <p>Compliant with:</p> <ul style="list-style-type: none"> EMC directive 2014/30/EU RE directive 2014/53/EU RoHS directive 2011/65/EU REACH regulation 1907/2006 <p>According to standards:</p> <ul style="list-style-type: none"> EMC: ITE; emission Class A EN55032; EN55024 EN301489-1; EN301489-7; EN301489-17; EN301489-24; EN301489-52 <p>Spectrum:</p> <ul style="list-style-type: none"> EN301511; EN301908-1 & -2 EN300328 <p>Health: EN62311</p> <p>Safety: EN60950</p> |
| 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 equipment 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-A1-UL

Part Number**Description**

| | |
|----------------|---|
| EC61330 | Industrial Gateway COSY131 WAN/LAN/USB |
| EC6133C | Industrial Gateway COSY131 WAN/LAN/USB + WIFI |
| EC6133D | Industrial Gateway COSY131 WAN/LAN/USB + Cellular 3G |
| EC6133G | Industrial Gateway COSY131 WAN/LAN/USB + Cellular 4G EU |
| EC6133H | Industrial Gateway COSY131 WAN/LAN/USB + Cellular 4G NA |

HMS - Sweden (HQ)Tel : +46 35 17 29 00 (Halmstad HQ)
E-mail: sales@hms-networks.com**HMS - Belgium (eWON)**Tel: +32 67 895 800
E-mail: ewon@hms-networks.com**HMS - China**Tel : +86 010 8532 3183
E-mail: cn-sales@hms-networks.com**HMS - France**Tel: +33 (0) 67 88 02 50 (Mulhouse office)
E-mail: fr-sales@hms-networks.com**HMS - Germany**Tel: +49 721 989777-000
E-mail: ge-sales@hms-networks.com**HMS - India**Tel: +91 83800 66578
E-mail: in-sales@hms-networks.com**HMS - Italy**Tel : +39 039 59662 27
E-mail: it-sales@hms-networks.com**HMS - Japan**Tel: +81 45 478 5340
E-mail: jp-sales@hms-networks.com**HMS - Switzerland**Tel: +41 61 511342-0
E-mail: sales@hms-networks.ch**HMS - UK**Tel: +44 1926 405599
E-mail: uk-sales@hms-networks.com**HMS - United States**Tel: +1 312 829 0601
E-mail: us-sales@hms-networks.com
