

YASKAWA

Accessories

All it takes to work perfectly



Teleservice - Talk2M

Secure cloud for Industrial Remote Connectivity. Easily and securely manage remote connectivity of users to PLC based machines equipped with an Ewon gateway.



What can you do with Talk2m?

Connect to your machines

Establish a secure VPN connection through the internet for troubleshooting and maintenance of machines. Securely program and troubleshoot PLCs remotely from your PC/laptop.

Collect machine data

Take advantage of the powerful Talk2m APIs to easily integrate machine data into third-party applications, for visualization and analysis, without any data loss or duplicate.

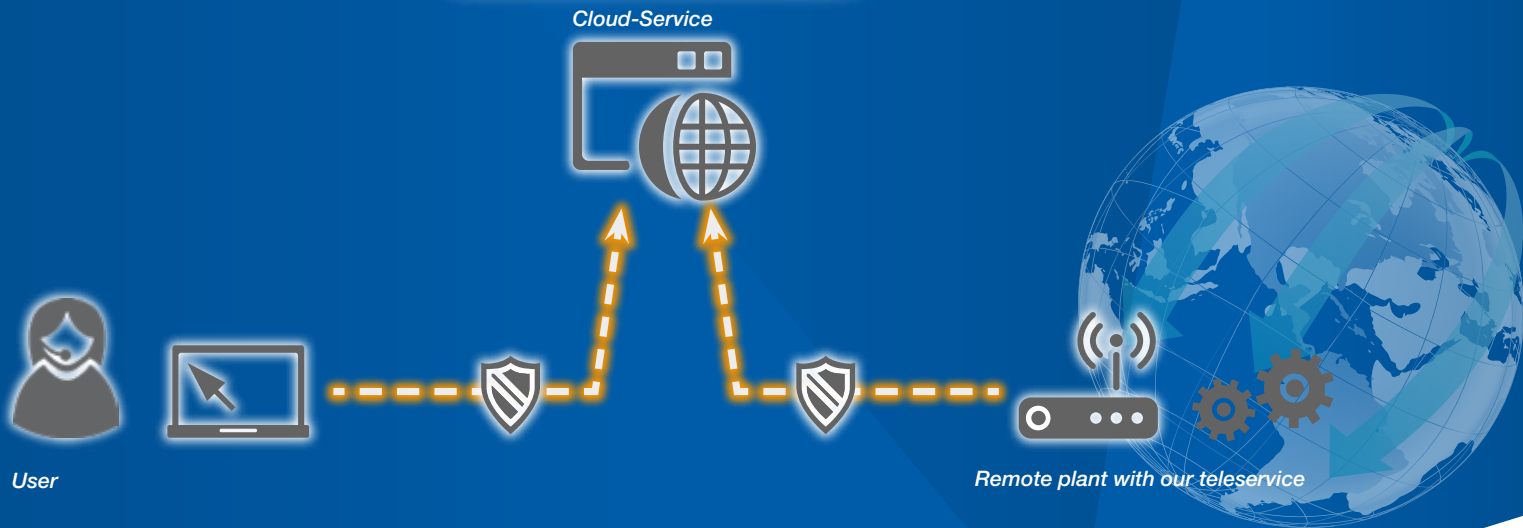
Monitor your machines

Monitor equipment performance through local or cloud dashboards and be more proactive thanks to alarm notifications. Easily access your HMI, PC, IP camera, and web pages remotely from any web browser.

Manage your connectivity

Manage all aspects of the connectivity from a central environment, making Talk2m the ideal solution to administrate multiple teams supporting various customers.

Talk2M



What are the main benefits of Talk2M?

Ease of use

- Easy Ewon gateway commissioning via SD card or USB flash drive
- Remote access to any machine in 2 clicks, from anywhere in the world
- Remote monitoring of machines from any device with integrated tools
- Firmware management allowing batch updates of Ewon gateways

Security

- Strong security posture: ISO27001 certification
- Manage users, devices and access rights from one place
- Keep an eye on the remote activity through connection audit trail and logs
- A very high user acceptance with more than 20,000 customers

Powerful infrastructure

- Reliable: a 24/7 availability thanks to a robust fully redundant infrastructure
- Scalable: easy to deploy and adapts to your evolving business needs
- Global: deployed all around the globe (incl. China) for optimal performance



Talk2M plans

Talk2m is based on a freemium model: all Ewon gateways are provided with industrial cloud connectivity, free of charge. As your business grows and your management needs increase, we recommend upgrading to Talk2m Pro:

- **Talk2M Free+** No running cost, unlimited in time, unlimited number of Ewon gateways and users.
- **Talk2M Pro** Recommended for a more strategic approach:
 - When your machine fleet grows and enhanced services are required, you can upgrade at any time.
 - Enhancements include: advanced access rights and security policies, multiple concurrent connections, more VPN and data traffic, Talk2m Visualization, additional services including firmware management, Service Level Agreement, ...
 - Request your Talk2m Pro free trial in a few clicks!

Remote Access Cosy+

The new standard of secure remote access.

For a secure VPN connection between the machine (PLC, HMI or other other devices) and the remote maintenance technician. The connection happens through Talk2M, a highly secured industrial cloud service.

Benefits of industrial remote access

- Minimize downtime through fast remote support
- Save time and money by avoiding unnecessary service trips
- Improve the engineers' well-being and productivity

State-of-the-art security

- New generation of devices with built-in Hardware Security
- Proven security posture with ISO 27001 certification and cybersecurity partnership with NVISO
- Machine LAN segregation to ensure that remote users can only access the target equipment
- Local control of the remote connectivity by the end-user, with an external key switch
- Increase safety with the digital output indicating an active remote connection

Easy – no IT skills required

- Straightforward setup, to make any machine IIoT-ready in a matter of minutes
- Non-intrusive outbound connections, requiring no change on the existing network
- Start immediately with a free Talk2M account and reach your equipment in 2 clicks
- Manage the connectivity of all your machines and collaborators from one place with the Talk2M industrial cloud service

Successful worldwide connectivity through Talk2M

- Global and reliable infrastructure, with an extensive Service Level Agreement
- Scalability: add at any time as many devices and users as you need
- Connect from any device, with the free desktop, web and mobile apps
- Email & SMS relay services, to receive notifications from your machine
- Traceability of all remote activity through detailed logs and reports



	Ethernet	WiFi	Cellular EU 4G
Product reference	EC71330	EC7133J	EC7133L
WAN connectivity	LAN	LAN & WiFi 802.11 b/g/n	LAN & LTE
Ethernet		4 configurable LAN-/WAN-Ports	
Input/Output		2 x DI, 1 x DO	
Power supply		12–24 VDC +/-20 %, LPS	
Temperature range		-25 °C to +60 °C	
Marking		CE, UL, FCC, IC, UKCA	
Warranty		36 months	
Mechanical standards & directives		Download the datasheet: https://ewon.biz/products/cosy	

Remote Access Ewon Flexy

IIoT gateway and VPN connectivity



Remote connectivity

- VPN Remote Access for PLC troubleshooting
- Talk2M global cloud infrastructure included
- Easy setup in minutes for unrivalled connectivity success

On-premise data monitoring

- All major PLC protocols for data logging and alarm notification
- Local web-dashboard for easy monitoring of KPIs through Talk2M's M2Web service
- OPC UA server to share data with Enterprise Systems

Data collection for IoT applications

- Full flexibility to send data to any server (local or cloud)
- End to end solution with HMS Solution Partners' software (out of the box)
- Multiple IoT connectors, and MQTT/HTTPS through embedded BASIC or JAVA scripting engine
- Talk2M Data Services with APIs for 3rd party software integration

	WAN			Field			
Type	Cellular	WiFi	Ethernet	MPI	2 Serial ports	I/O	3 USB ports
Product reference	FLB 320A (4G EU) FLB 3205 (4G NA) EOL 12/23 FLB 3208 (4G NA) starting 01/24	FLB 3271	FLX 3101	FLC 3701	FLA 3301	FLX 3402	FLB 3601
Marking	CE, FCC, CURUS						
Warranty	36 months						
Mechanical standards & directives	Download the datasheet: https://ewon.biz/products/ewon-flexy						

Industrial Ethernet - unmanaged



Industrial switch EN5-R



Industrial switch EN8-R

We offer unmanaged Ethernet switches with high port density. These industrial switches have compact, space saving dimensions and are suitable for a variety of applications.

Highlights

- Cost-effective Ethernet switch in industrial quality
- Broadcast electric current protection
- Redundant power supply
- Firm hardware design for hazard areas (class 1/Div.2/ATEX)

Technical data

- Robust 5/8 port basic Ethernet switch for the industrial deployment
- 5/8x RJ45 10/100BaseTX full-/half duplex
- Supports IEEE 802.3 and IEEE 802.3u/x and automatic MDI/MDI-X recognition
- Redundant power supply for 12-45 VDC
- Solid hardware design for hazard areas (class 1/Div.2/ATEX)
- IP30 aluminium case for mounting on a DIN rail
- Operating temperature: -10°C up to 60 °C
- FCC, TUV, UL, CE, ROHS2 and KC approval

Technical application examples

- The industrial Ethernet switches EN5-R / EN-8R support the IEEE 802.3 and IEEE 802.3u/x with 10/100M full-/ half duplex and automatic MDI/MDI-X recognition.
- These switches were constructed for harsh industrial environments. These are for example hazard areas (class 1/Div.2/ATEX) in accordance with the standards FCC, TUV, UL, CE and KC.
- They offer additional flexibility for industrial applications with redundant power supply, a operating temperature range of -10 up to 60 °C as a standard, and a broadcast electric current protection which can be activated via a DIP switch.

Industrial Ethernet - managed



Industrial switch PN5-RD



Industrial switch PN8-RD

Managed Ethernet switches support intelligent network management functions such as QoS, IGMP Snooping/GMRP, VLAN, Port Trunking, SNMP V1/V2c/V3, IEEE802.1X and https/SSL.

Highlights

- PROFINET RT, class B
- Call of PROFINET diagnosis / status information via device functionalities
- SPEED7 Studio fully integrated
- Management functions such as IGMP Snooping, IEEE 802.1Q VLAN, QoS, RMON, SNMP
- Port mirroring
- PROFINET I/O parameters, I/O cyclic data, DCP, DHCP
- Turbo Ring™ and Turbo Chain™ (Recovery time < 20 ms at 250 switches)
- Redundant power supply
- Solid hardware design for hazard areas (class 1/Div.2/ATEX)

Technical data

- 8x RJ45 10/100BaseTX full-/half duplex, automatic MDI/MDI-X recognition
- Support of PROFINET and Modbus/TCP protocols
- PROFINET v2 Conformance class B
- PROFINET diagnosis via GSDML integration
- Command lines (CLI) for fast configuration of important functions
- Protection of service quality based on IEEE 802.1p and TOS/DiffServ improves the deterministic operation
- Operating temperature: 0°C up to 60 °C
- Rail-/telecommunication applications: EN 50121-4
- FCC, TUV, UL, CE, ROHS2 and KC approval

Technical application examples

- PN5-RD / PN8-RD offer special features for diagnosis of PROFINET networks. Within the engineering system SPEED7 Studio the switches can be integrated and used in the configured PROFINET network by Drag & Drop. In addition open-system integration by means of GSDML file is of course also possible.
- With their short boot times and the recovery technologies, Turbo Ring™ and Turbo Chain™, they allow a performance improvement in PROFINET networks.
- Additionally they support many usable management functions such as IGMP Snooping, IEEE 802.1Q VLAN, QoS, Port Mirroring, SNMP, bandwidth management and alarm message by email or relay output.

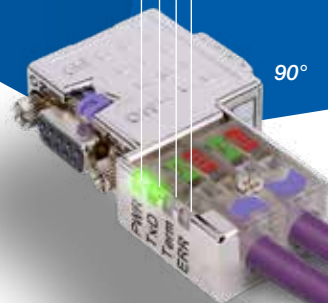
PROFIBUS & PROFINET plugs



Art.No. 972-8PN00



Art.No. 972-ODP30



Art.No. 972-ODP10
Art.No. 972-ODP01
without LEDs



Art.No. 972-ODP20

also available without LEDs

PROFIBUS plugs

Our EasyConn plugs are suitable for fault-free connections of PROFIBUS users.

Features:

- Visual connection control (polarity inversion, position of shield and cable)
- Highest interference resistance through robust full-metal case
- Integrated diagnosis LEDs for bus cable functions
- Cable connection via comfortable IDC technology
- Loss-free one screw mounting system
- Integrated add-on terminator
- Versions: 0°, 45° and 90° cable outlet
- We always offer an integrated PG diagnosis jack at the 45° and 90° versions

PROFINET plugs

Our PROFINET plugs are flexibly deployable. Whether in the office, in industry or for the building cabling: this plug always cuts a fine figure. Existing from only two parts it reduces the effort for mounting considerably.

These field-configurable plugs distinguish themselves by very easy handling and high robustness. Of course assembly is done without tools. The plugs are compatible with the existing standards and are suitable for the connection of fixed and flexible wires. The assembly is completed within a few seconds.

We offer these plugs in an advantage pack of 10.

10 pack: 972-8PN00

Features:

- Consisting of only two parts
- Field-configurable multiport capable Cat-6A plug
- Transmission rate 10Gbit, suitable in accordance with IEEE 802.3an
- Eight-wire field-configurable RJ45 plug for AWG 22
- Industry-compatible zinc die cast housing
- Protected latch
- Easy assembly without special tools



PROFI[®] Article No.

100m ring: 830-OLC00
200m ring: 830-OLD00

PROFI[®] Article No.

100m ring: 830-0PC00
200m ring: 830-0PD00

IM 306

Conversion of the existing S5 systems to SPEED7 controllers:



- For the integration of S5 racks with digital and analog modules into the S7 environment via PROFIBUS-DP
- Central and expansion modules of 115U, 135U and 155U series
- Successive conversion at minimum downtime
- Redundant construction for maximum safety

With the IM 306 DP slave module step by step and easy conversion of existing applications of AG 115U, 135U and 155U series is possible.

CPU or EU and CC switches are replaced by the IM 306 DP slave module and are connected to a controlling master system via PROFIBUS-DP. Using the IM306 DP slave modules, a CPU must not be installed on the rack.

Project engineering is carried out in the hardware configuration of the PROFIBUS-DP master project engineering tool. For the integration of modules a GSD file is included in the supply.



	Article No.	Name
LE	306-1LE00	IM 306 DP-Slave - 115U ZG/ER IM
UZ	306-1UZ00	IM 306 DP-Slave - 135U/155U ZG CPU
UE	306-1UE00	IM 306 DP-Slave - 135U/155U ZG/EG IM

YASKAWA Europe GmbH

Hugo-Junkers-Str. 13
90411 Nürnberg
Germany

+49 6196 569-500
info@yaskawa.eu
www.yaskawa.eu.com

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