

## Ewon Flexy 205

The Ewon Flexy family is a range of industrial modular gateways that allows universal communication with varied field equipment regardless of the protocol used.

It is possible to configure data acquisition & data logging, routing and more..



### Key Benefits

<b>ON-DEMAND REMOTE ACCESS, IT APPROVED</b>	Security-certified global cloud infrastructure Easy setup for unmatched connectivity success
<b>LOCAL DATA COLLECTION AND DASHBOARDS</b>	All major PLC protocols for data logging and alarm notification Local web-dashboard for remote monitoring OPC UA server to publish data to factory systems
<b>CENTRAL DATA COLLECTION THROUGH THE INTERNET</b>	Full flexibility to send data to any server (local or cloud) Out of the box solutions with HMS Solution Partners MQTT or HTTPS using embedded BASIC or Java Virtual Machine

### PLC Connectivity

<b>Rockwell Automation/Allen Bradley</b>	SLC5/500 Series Micro/Compact/Control Logix Series Micro Series
<b>Siemens</b>	S5 Series* S7-200/300/400/1200/1500** Logo
<b>Schneider Electric</b>	TSX Series M Series (M258, M340,...) Twido Series
<b>Mitsubishi</b>	iQ/FX5 Series Q series L Series FX3 series
<b>VIPA</b>	Speed 7 series
<b>OMRON</b>	C, CJ, CP, CS Series N Series
<b>HITACHI</b>	EH Series
<b>Generic Modbus TCP/RTU</b>	Any Modbus TCP/RTU Slaves (Beckhoff, Crouzet, ABB, Delta,...)
<b>Generic OPCUA</b>	Any OPCUA Servers

	(B&R, Beijer, Beckhoff,...)
<b>Generic BACNET IP</b>	Any BACNET IP Servers
<b>Generic SNMP</b>	Any SNMP v1 servers

\* polling only, no remote access

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

## Technical Specifications

<b>Routing</b>	Routing capability between LAN and WAN Ethernet interface and Ethernet to serial gateway.
<b>Ethernet to Serial Gateways</b>	MODBUS TCP to MODBUS RTU; XIP to UNITELWAY; EtherNet/IP™ to DF1; FINS TCP to FINS Hostlink; ISO TCP to PPI, MPI (S7) or PROFIBUS (S7); VCOM to ASCII.
<b>Data Acquisition Protocols</b>	OPC UA, MODBUS/RTU, MODBUS/TCP, Unitelway, DF1, PPI, MPI (S7), PROFIBUS (S7), FINS Hostlink, FINS TCP, EtherNet/IP™, ISO TCP, Mitsubishi FX, Mitsubishi melsec, Hitachi EH, ASCII, BACnet/IP. Stored in 2500 internal tags.
<b>Data Publishing Protocols</b>	OPC UA, Modbus, MQTT, SNMP, HTTPs.
<b>Alarms</b>	Alarms notification by email, SMS, FTP put and/or SNMP traps. 4 Thresholds : low, lowlow, high, highhigh + deadband and activation delay.
<b>Datalogging</b>	Internal database for data logging (real-time logging and historical logging up to 1,000,000 timestamps). Historical data can be exported to DataMailbox or transferred by FTP or email.
<b>SD card reader</b>	A/ for easy commissioning (firmware upgrade, backup, Talk2M registration) B/for Extended User Memory.
<b>Router</b>	IP filtering, IP forwarding, NAT, Port forwarding, Proxy, Routing table, DHCP client/server, NAT 1:1.
<b>VPN Tunnelling</b>	Open VPN either through UDP 1194 or TCP 443 ( HTTPs port).
<b>VPN Security</b>	VPN sessions are end-to-end encrypted using SSL/TLS protocol. Communications between the remote user and the eWON are fully encrypted using the SSL/TLS protocol, thereby ensuring data authenticity, integrity & confidentiality. Indeed, 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>Programmable</b>	Script interpreter for Basic language, Java 2 Standard Edition environment.
<b>Synchronization</b>	Embedded real-time clock, manual setup via http or automatic via NTP.
<b>File Management</b>	FTP client and server for configuration, firmware update and data transfer.
<b>Website</b>	Embedded web interface with setup wizards for configuration and maintenance (no extra software needed). Authentication with login/password and user management capability. Possibility of uploading custom web GUI. Compatible with viewON web HMI.
<b>User Flash Disk</b>	up to 30MB available for user application.
<b>Mechanicals</b>	Din Rail or wall screw fixing system. Dimensions: 133 x 122 x 55 mm (H x D x W ). Weight: 280 g without extension card
<b>Power supply</b>	12 - 24VDC +/-20%, LPS. Consumption: depending on the extension card installed (see Installation guide on our website).
<b>Input/output</b>	2x digital input: 0 to 12/24VDC; 1.5kV isolation. 1x digital output: open drain (MOSFET) 200mA; 1.5 kV isolation.
<b>Flexy 205 base module interface</b>	4 x RJ45 Ethernet 10/100 Mb .Configurable LAN/WAN ports, port 1 always LAN
<b>Temperature Range</b>	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).
<b>Marking</b>	CE, cURus, FCC, UKCA
<b>Warranty</b>	36 months

## Certifications

<b>Type tests</b>	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)
<b>CE</b>	Compliant with:

	<p>EMC directive 2014/30/EU (Immunity: industrial level)</p> <p>RE directive 2014/53/EU*</p> <p>ROHS2 2011/65/EU directive with amendment 2015/863</p> <p>REACH regulation</p> <p>* Applicable in combination with a radio extension card (Cellular &amp; WiFi)</p>
<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.
<b>Other</b>	South Korea KC, Philippines (in combinaison with 3G extension card), Russia FSS notification
<b>Safety</b>	<p>The product fulfils the requirement of:</p> <p>EN 62368-1:2014 + A11:2017</p> <p>UL 62368-1 Second Edition</p> <p>CAN/CSA C22.2 No. 62368-1-14 Second Edition</p> <p>EN 60950-1:2006 + A1:2010 + A11:2009 + A12:2011 + A2:2013</p>

## Ordering Information

**ORDER CODE:** Flexy20500\_00MA

**MODEL NUMBER :** 02801

**WARRANTY:** 3 years

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

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