



# Take advantage of the Flexy modularity, pick up our own device

## Ewon Flexy 102

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

The Serie 100 has been designed for simple and cost effective Remote Data Collection application and doesn't provide routing capability. It is possible to configure data acquisition & data logging, and more.

The Ewon Flexy 102 is an Ewon gateway based on a serial ports.



## Key Benefits

<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 (Beckoff, Crouzet, ABB, Delta,...)
<b>Generic OPCUA</b>	Any OPCUA Servers (B&R, Beijer, Beckoff,...)
<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>Flexy Serie100/200</b>	Flexy are available in two series. The Serie 100 has been designed for simple and cost effective Remote Data Collection application and doesn't provide routing capability between Lan and VPN interface. The Serie 200 provides full features.
<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 max 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>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 Mounting Dimensions: 80 x 89 x 134 mm (H x D x W ); Weight: < 500 g
<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 base module interface</b>	<b>Flexy 101:</b> 4 x RJ45 Ethernet 10/100Mb switch, 1,5kV isolation
<b>Temperature Range</b>	<ul style="list-style-type: none"> <li>Operating: -25°C to +60°C, 10 to 95% relative humidity (non-condensing)</li> <li>Storage: -30°C to +70°C, 10 to 95% relative humidity (non-condensing)</li> </ul>
<b>Marking</b>	CE, cURus, FCC, UKCA
<b>Warranty</b>	36 months

## Certifications

<b>Type tests</b>	<p>Temperature - Operating &amp; Storage tested according to:</p> <p>IEC 60068-2-1 Cold test</p> <p>IEC 60068-2-2 Dry heat test</p> <p>IEC 60068-2-14 Change of temperature</p> <p>IEC 60068-2-30 Cyclic damp heat test</p> <p>Vibration &amp; shocks tested according to:</p> <p>IEC 60068-2-27 Bumps</p> <p>IEC 60068-2-64 Vibration (broad-band random)</p> <p>IEC 60068-2-6 Vibration (sinusoidal)</p>
<b>CE</b>	<p>Compliant with:</p> <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/ICC</b>	This product complies with the Part 15 of the FCC rules
<b>Japan</b>	This device complies with Japanese regulations.
<b>Other</b>	Russia FSS notification

**Safety**

The product fulfils the requirements of:

EN 62368-1:2014 + A11:2017

UL 62368-1 Second Edition

CAN/CSA C22.2 No. 62368-1-14 Second Edition

EN 60950-1:2006 + A1:2010 + A11:2009 + A12:2011 + A2:2013

## Ordering Information

**ORDER CODE:** Flexy10200\_00MA

**MODEL NUMBER :** 00301

**WARRANTY:** 3 years

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

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