



## Ewon Flexy 202

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.

The Ewon Flexy 202 is an Ewon gateway based on a serial port.



### Key Benefits

<b>ON-DEMAND REMOTE ACCESS, IT APPROVED</b>	<ul style="list-style-type: none"> <li>VPN Remote Access</li> <li>Security-certified global cloud infrastructure</li> <li>Easy setup for unmatched connectivity success</li> </ul>
<b>LOCAL DATA COLLECTION AND DASHBOARDS</b>	<ul style="list-style-type: none"> <li>All major PLC protocols for data logging and alarm notification</li> <li>Local web-dashboard for remote monitoring</li> <li>OPC UA server to publish data to factory systems</li> </ul>
<b>CENTRAL DATA COLLECTION THROUGH THE INTERNET</b>	<ul style="list-style-type: none"> <li>Full flexibility to send data to any server (local or cloud)</li> <li>Out of the box solutions with HMS Solution Partners</li> <li>MQTT or HTTPS using embedded BASIC or Java Virtual Machine</li> </ul>

### PLC Connectivity

<b>Rockwell Automation/Allen Bradley</b>	<ul style="list-style-type: none"> <li>SLC5/500 Series</li> <li>Micro/Compact/Control Logix Series</li> <li>Micro Series</li> </ul>
<b>Siemens</b>	<ul style="list-style-type: none"> <li>S5 Series*</li> <li>S7-200/300/400/1200/1500**</li> <li>Logo</li> </ul>
<b>Schneider Electric</b>	<ul style="list-style-type: none"> <li>TSX Series</li> <li>M Series (M258, M340,...)</li> <li>Twido Series</li> </ul>
<b>Mitsubishi</b>	<ul style="list-style-type: none"> <li>iQ/FX5 Series</li> <li>Q series</li> <li>L Series</li> <li>FX3 series</li> </ul>
<b>VIPA</b>	<ul style="list-style-type: none"> <li>Speed 7 series</li> </ul>

<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>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&trade, to DF1, FINS TCP to FINS Hostlink, ISO TCP to PPI, MPI (S7) or PROFIBUS (S7), VCOM to ASCII. (Applicable to the serie 200)
<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. (Applicable only to the serie 200)
<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>Flexyn02*</b> : 1x RJ45 Ethernet 10/100Mb, 1 x male SUBD9 serial port configurable by software in RS232/485/422, 1.5kV functional isolation from power supply
<b>Temperature Range</b>	Operating: -25°C to +60°C, 10 to 95% relative humidity (non-condensing). Storage: -40°C to +70°C, 10 to 95% relative humidity (non-condensing).
<b>Marking</b>	CE, cURus, FCC.
<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: EMC directive 2014/30/EU (Immunity: industrial level) RE directive 2014/53/EU* ROHS2 2011/65/EU directive with amendment 2015/863 REACH regulation * Applicable in combination with a radio extension card (Cellular & WiFi)
<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
<b>Safety</b>	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:** Flexy20200\_00MA

**WARRANTY:** 3 years

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

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