



## Ewon Flexy 103

Item number: FLEXY10300\_00MA

The Ewon Flexy 103 has been designed for simple and cost effective remote data collection application and doesn't provide routing capability. The Ewon Flexy 103 is an Ewon gateway based on a MPI port.



*Industrial gateway for simple cost-effective data collection*

### Features and benefits

✓ **Local data collection & dashboards**

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

✓ **Central data collection through the internet.**

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.



## Data Features

<b>Router Features</b>	No VPN to LAN routing.
<b>VPN</b>	OpenVPN either in SSL UDP or TCP.
<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>Data Acquisition Protocols</b>	OPC UA, Modbus RTU, Modbus-TCP, Unitelway, DF1, PPI, MPI, PROFIBUS, FINS Hostlink, FINS TCP, EtherNet/IP, ISO TCP, Mitsubishi FX, Mitsubishi MELSEC, Hitachi EH, ASCII, BACnet/IP
<b>Data Publishing Protocols</b>	OPC UA, Modbus, MQTT, SNMP, HTTPS
<b>Data Logging</b>	Define up to 2500 internal tags. 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.

## General

<b>Net Width (mm)</b>	133
<b>Net Height (mm)</b>	79
<b>Net Depth (mm)</b>	88
<b>Net Weight (g)</b>	88
<b>Packed Width (mm)</b>	234
<b>Packed Height (mm)</b>	150
<b>Packed Depth (mm)</b>	105
<b>Packed Weight (g)</b>	112
<b>Operating Temperature °C Min</b>	-25
<b>Operating Temperature °C Max</b>	+60
<b>Storage Temperature °C Min</b>	-30
<b>Storage Temperature °C Max</b>	+70
<b>Relative Humidity</b>	10 to 95% relative humidity (non-condensing).



General	
Input Voltage (V)	12 - 24VDC +/-20%, LPS.Consumption: depending on the extension card installed (see Installation guide on our website).
Power Connector	9-pole
Configuration	Web-Based configuration: 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.
Content of Delivery	This product consists of the following components: an industrial gateway in a plastic housing, a power connector, 4 pcs of Flexy blank extension front plates, a start-up guide document in paper version, legal references in paper version and a branded cardboard box.
Not Included (in delivery)	Any variant of extension boards and their accessories (antenna, cable)
Mounting	DIN rail mount (bracket included)
Housing Materials	Plastic
Packaging Material	Cardboard
Warranty (years)	3
PLC Compatibility	Rockwell Automation/Allen Bradley, Siemens, Schneider Electric, Mitsubishi Electric, Vipa, Omron, Hitachi

Identification and Status	
Product ID	FLEXY10300_00MA
Model Code	00401
Country of Origin	Belgium
HS Code	8517699000
Dual Usage	No
Export Control Classification Number (ECCN)	5A992.c

Physical Features	
Connectors / Input / Output	1x RJ45 Ethernet port: 10/100Mb, 1 x Female SUBD9 MPI port: 1.5kV functional isolation from power supply, 2x Digital input: 0 to 12/24VDC; 1.5kV isolation, 1x Digital output: open drain (MOSFET) 200mA; 1.5 kV isolation.
Contains Battery	Yes

Certifications and Standards	
CE	Yes



## Certifications and Standards

<b>FCC</b>	Yes
<b>IC</b>	Yes
<b>UKCA</b>	Yes
<b>UL</b>	Yes
<b>KC</b>	No
<b>RCM</b>	No
<b>PTCRB</b>	No
<b>Environment</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
<b>Vibration and Shock</b>	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>Waste Certification (WEEE)</b>	Yes
<b>WEEE Category</b>	IT and telecommunications equipment
<b>Other Certification</b>	Giteki Japan, Russia FSS notification