Ewon Flexy 101

Item number: FLEXY10100_00MA

The Ewon Flexy 101 has been designed for simple and cost effective remote data collection application and doesn't provide routing capability. The Ewon Flexy 101 is an Ewon gateway based on a 4 Ethernet ports.

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.

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Ewon Flexy 101

General

Net Width (mm)	133
Net Height (mm)	79
Net Depth (mm)	88
Net Weight (g)	88
Packed Width (mm)	246
Packed Height (mm)	150
Packed Depth (mm)	105
Packed Weight (g)	112
Operating Temperature °C Min	-25
Operating Temperature °C Max	+60
Storage Temperature °C Min	-30
Storage Temperature °C Max	+70
Relative Humidity	10 to 95% relative humidity (non-condensing).
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)

Ewon Flexy 101

General

Housing Materials	Plastic
Packaging Material	Cardboard
Warranty (years)	3

Data Features

Router Features	No VPN to LAN routing.
VPN	OpenVPN either in SSL UDP or TCP.
VPN Security	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.
Data Acquisition Protocols	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
Data Publishing Protocols	OPC UA, Modbus, MQTT, SNMP, HTTPS
Data Logging	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.

Identification and Status

Product ID	FLEXY10100_00MA
Successor	FLEXY20100_00MA
Export Control Classification Number (ECCN) (Applies only to the U.S)	5A992.c

Physical Features

SD Card Slot	SD
Connectors / Input / Output	4x RJ45 Ethernet port: 10/100Mb switch, 1,5kV isolation, 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

UKCA	Yes

Ewon Flexy 101

Certifications and Standards

UL	Yes
KC	No
RCM	No
PTCRB	No
Environment	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 and Shock	Vibration & shocks tested according to: IEC 60068-2-27 Bumps, IEC 60068-2-64 Vibration (broad-band random), IEC 60068-2-6 Vibration (sinusoidal)
Waste Certification (WEEE)	Yes
WEEE Category	IT and telecommunications equipment
Other Certification	Giteki Japan, Russia FSS notification