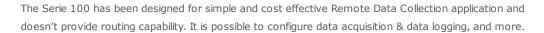**Ewon®**
BY HMS NETWORKS

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

Ewon Flexy 101

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 101 is an Ewon gateway based on a 4 Ethernet ports.

Key Benefits

LOCAL DATA COLLECTION AND 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

PLC Connectivity

Rockwell Automation/Allen Bradley	SLC5/500 Series Micro/Compact/Control Logix Series Micro Series
Siemens	S5 Series* S7-200/300/400/1200/1500** Logo
Schneider Electric	TSX Series M Series (M258, M340,...) Twido Series
Mitsubishi	iQ/FX5 Series Q series L Series

	FX3 series
VIPA	Speed 7 series
OMRON	C, CJ, CP, CS Series N Series
HITACHI	EH Series
Generic Modbus TCP/RTU	Any Modbus TCP/RTU Slaves (Beckoff, Crouzet, ABB, Delta,...)
Generic OPCUA	Any OPCUA Servers (B&R, Beijer, Beckoff,...)
Generic BACNET IP	Any BACNET IP Servers
Generic SNMP	Any SNMP v1 servers

* polling only, no remote access

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

0Technical Specifications

Flexy Serie100/200	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.
Data Acquisition Protocols	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.
Data Publishing Protocols	OPC UA, Modbus, MQTT, SNMP, HTTPs.
Alarms	Alarms notification by email, SMS, FTP put and/or SNMP traps. 4 Thresholds : low, lowlow, high, highhigh + deadband and activation delay.
Datalogging	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.
SD card reader	A/ for easy commissioning (firmware upgrade, backup, Talk2M registration) B/for Extended User Memory.
VPN Tunnelling	Open VPN either through UDP 1194 or TCP 443 (HTTPs port).
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.
Programmable	Script interpreter for Basic language, Java 2 Standard Edition environment.
Synchronization	Embedded real-time clock, manual setup via http or automatic via NTP.
File Management	FTP client and server for configuration, firmware update and data transfer.

Website	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.
User Flash Disk	up to 30MB available for user application.
Mechanicals	Din Rail Mounting Dimensions: 80 x 89 x 134 mm (H x D x W); Weight: < 500 g
Power supply	12 - 24VDC +/-20%, LPS. Consumption: depending on the extension card installed (see Installation guide on our website).
Input/output	2x digital input: 0 to 12/24VDC; 1.5kV isolation. 1x digital output: open drain (MOSFET) 200mA; 1.5 kV isolation.
Flexy base module interface	**Flexy 101:** 4 x RJ45 Ethernet 10/100Mb switch, 1,5kV isolation
Temperature Range	• 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)
Marking	CE, cURus, FCC, UKCA
Warranty	36 months

Certifications

Type tests	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)
CE	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)
UKCA	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
FCC/ICC	This product complies with the Part 15 of the FCC rules
Japan	This device complies with Japanese regulations.
Other	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: Flexy10100_00MA

MODEL NUMBER : 00201

WARRANTY: 3 years

For purchasing instructions and terms and conditions, see: $\longrightarrow$ How to buy

Do you want the advice of our experts? $\longrightarrow$ Contact Us