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

Ewon Flexy 205

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..

Key Benefits

ON-DEMAND REMOTE ACCESS, IT APPROVED	Security-certified global cloud infrastructure Easy setup for unmatched connectivity success
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

Technical Specifications

Routing	Routing capability between LAN and WAN Ethernet interface and Ethernet to serial gateway.
Ethernet to Serial Gateways	MODBUS TCP to MODBUS RTU; XIP to UNITELWAY; EtherNet/IP™ to DF1; FINS TCP to FINS Hostlink; ISO TCP to PPI, MPI (S7) or PROFIBUS (S7); VCOM to ASCII.
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 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.
Router	IP filtering, IP forwarding, NAT, Port forwarding, Proxy, Routing table, DHCP client/server, NAT 1 :1.
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 or wall screw fixing system. Dimensions: 133 x 122 x 55 mm (H x D x W). Weight: 280 g without extension card
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 205 base module interface	4 x RJ45 Ethernet 10/100 Mb .Configurable LAN/WAN ports, port 1 always LAN
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, RCM
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/IC	This product complies with the Part 15 of the FCC rules.
Japan	This device complies with Japanese regulations.

Other	South Korea KC, Philippines (in combinaison with 3G extension card), Russia FSS notification, RCM for Australia and New Zealand
Safety	The product fulfils the requirement of: EN IEC 62368-1:2020 + A11:2020 UL 62368-1 Third Edition, revised October 22, 2021 CAN/CSA C22.2 No. 62368-1: 19 Third Edition, revised October 22, 2021 EN 60950-1:2006 + A1:2010 + A11:2009 + A12:2011 + A2:2013

File	Version	Size	Read online

Ordering Information

ORDER CODES:
Flexy20500_00MA
MODEL NUMBER : 02801
WARRANTY: 3 years
For purchasing instructions and terms and conditions, see: → How to buy
Do you want the advice of our experts? → Contact Us

Copyright © 2020 HMS Industrial Networks - All rights reserved.