RG2i Spécialiste IoT & M2M

Ewon® BY HMS NETWORKS

# Ewon Flexy 202

**Item number: FLEXY20200_00MA**

The Ewon Flexy is a multipurpose IIoT data gateway that allows machine builders and users to monitor and collect vital KPIs for analysis and predictive maintenance. The Ewon Flexy 202 is an Ewon gateway based on a serial port.

*Industrial VPN gateway for IIoT data collection & monitoring*

## Features and benefits

**Easily acquire and log data**

Gather data from PLCs, sensors and other devices thanks to the support of a wide range of industrial protocols, including OPC UA.

**Implement efficient data monitoring**

The Ewon Flexy supports all major PLC protocols for data logging & alarms. Local web-dashboard for KPIs monitoring through Talk2m's M2web service. OPC UA server to share data with Enterprise Systems.

**Do more with built-in connectors and APIs**

You might not have a data application today. But when the time comes, be confident in the fact that you can connect to a local or cloud data solution and make your machine smarter.

**Extended data services**

Wide range of possibilities: PLC data acquisition, alarms, OPC UA, Modbus, MQTT, SNMP, HTTPs, local web-dashboards, cloud live KPIs, and programming (Basic & Java).

**Enable machine remote connectivity**

Enjoy VPN remote access for PLC troubleshooting. The included Talk2m cloud's global infrastructure is redundant and reliable. Setup your device in minutes for unrivalled connectivity success.

**Leverage flexible data integration**

Full flexibility to send data to any server. Multiple IoT connectors, and MQTT/HTTPS through embedded Basic or Java scripting engine. Talk2m Data Services with APIs for third party software integration.

**Future-proof thanks to extension cards**

Discover the interchangeable extension cards of the Ewon Flexy: WiFi, 3G, 4G, USB, Ethernet WAN. These allow you to easily keep up with the evolution of communication technologies.

**OPC UA ready**

Ewon Flexy gateways support OPC UA, a modern protocol for industrial automation. It enables easy machine connectivity, asset modernization, and secure data collection from the factory floor.

# Ewon Flexy 202

## General

| | |
|---|---|
| **Net Width (mm)** | 133 |
| **Net Height (mm)** | 79 |
| **Net Depth (mm)** | 88 |
| **Net Weight (g)** | 88 |
| **Packed Width (mm)** | 236.5 |
| **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 202

## General

| | |
|---|---|
| **Housing Materials** | Plastic |
| **Packaging Material** | Cardboard |
| **Warranty (years)** | 3 |

## Data Features

| | |
|---|---|
| **Router Features** | Routing capability between LAN and WAN Ethernet interface and Ethernet to serial gateway. Routing capability between LAN and WAN Ethernet interface and Ethernet to serial gateway. Routing capability between LAN and WAN Ethernet interface and Ethernet to serial gateway. IP filtering, IP forwarding, NAT, Port forwarding, Proxy, Routing table, DHCP client/server, NAT 1 :1. |
| **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** | FLEXY20200_00MA |
| **Export Control Classification Number (ECCN) (Applies only to the U.S)** | 5A992.c |

## Physical Features

| | |
|---|---|
| **SD Card Slot** | SD |
| **Connectors / Input / Output** | 1x RJ45 Ethernet port: 10/100Mb, 1x Male SUBD9 Serial port: configurable by software in RS232/485/422, 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

| | |
|---|---|
| **IC** | Yes |
| **UKCA** | Yes |
| **UL** | Yes |

# Ewon Flexy 202

## Certifications and Standards

| | |
|---|---|
| **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, Pakistan |