

## IIoT gateway with remote access



- 2 product families - 3 basic modules
- Family 10x as M2M data gateway
- Family 20x as remote maintenance router
- 3 different base modules for fieldbus connectivity
- Tag polling for intelligent communication with PLCs
- E-mail and SMS dispatch for alarm management
- Data logging function with fail-safe storage
- BASIC programming for flexible solutions
- Integrated HTML server for system visualization
- SD card slot

<https://www.wachendorff-prozesstechnik.de/en/eWONFlexy>

### Description

**EwonFlexy 10x: the M2M data gateway** The Flexy 10x family includes all the classic Ewon functions such as variable polling from various sources (Ethernet/serial/MPI), data logging, alarm management and HTML visualization. It is used to centralize the data collected on site and make it available for monitoring and further processing.

**EwonFlexy 20x: the remote maintenance and M2M router** The Flexy 20x family includes all the functions of the 10x family plus routing via the incoming connection to Ethernet/serial/MPI for the purpose of remote maintenance.

There are 3 basic modules available for both Flexy series:  
Flexy xx1: unmanaged switch with 4 Ethernet LAN interfaces  
Flexy xx2: 1 Ethernet LAN interface + 1 RS232/422/485 interface  
Flexy xx3: 1 Ethernet LAN interface + 1 MPI/Profibus interface.

The base modules provide the interface for the fieldbus connection within the machine. Up to four expansion cards can be plugged into the base modules. These expand the fieldbus (e.g. with RS232/485), and the WAN interfaces (e.g. mobile radio, Ethernet WAN) can be plugged in flexibly.

### Product details

VPN mode:	OpenVPN 2.0 in SSL UDP or HTTPS mode
Integrated drivers:	OPC-UA, ISO-on-TCP (S7), MPI (S7), PPI (S7), MODBUS-RTU, MODBUS-TCP, Unitelway, DF1, FINS Hostlink, FINS TCP, EtherNet/IP™, Mitsubishi FX, Hitachi EH, ASCII, SNMP, BACnet/IP.
Data logging:	Up to 1,000,000 data points in flash memory, fail-safe. Data export via FTP or e-mail.
Real-time clock:	Integrated real-time clock with NTP synchronization
Programmable:	Via BASIC script or embedded Java 2 Micro Edition
Interfaces:	Flexy xx1: 4x RJ45 Ethernet 10/100 Mbit/s Flexy xx2: 1x RJ45 Ethernet 10/100 Mbit/s + 1x SUB-D male, 9-pin, RS232/422/485 Flexy xx3: 1x RJ45 Ethernet 10/100 Mbit/s + 1x SUB-D female, 9-pin, MPI/Profibus interface For all types: 1x SD card slot

Memory:	30 MB for user files
Power supply:	12 to 24 VDC +/- 20 %, max. 30 W
Weight:	< 500 g
Dimension:	D x H x W: 89 x 80 x 134 (mm)
Operating temperature:	-25 °C to +60 °C
Relative humidity:	10 % to 95 %, non-condensing
Inputs and outputs:	2x digital input (24 VDC) 1x digital output (MOSFET, 200mA@30 VDC)
Assembly:	Top hat rail
Protection class:	IP20
Certificates:	CE, FCC, UL, R&TTE
Manufacturer:	HMS Industrial Networks AB

### Products Order no.

FLEXY101	Flexy 10x, the M2M data gateway Base module with 4x LAN
FLEXY102	Flexy 10x, the M2M data gateway Basic module with 1x LAN + 1x RS232/422/485
FLEXY103	Flexy 10x, the M2M data gateway Base module with 1x LAN + 1x MPI/Profibus DP
FLEXY201	Flexy 20x, the remote maintenance and M2M router Base module with 4x LAN
FLEXY202	Flexy 20x, the remote maintenance and M2M router Basic module with 1x LAN + 1x RS232/422/485
FLEXY203	Flexy 20x, the remote maintenance and M2M router Base module with 1x LAN + 1x MPI/Profibus DP

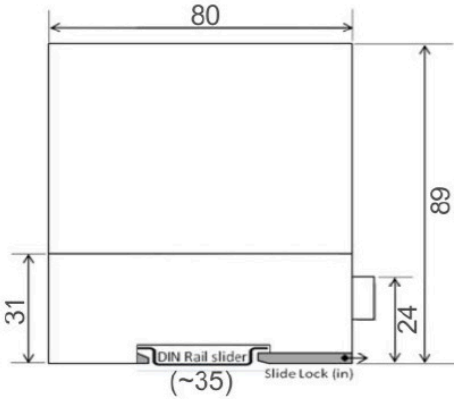
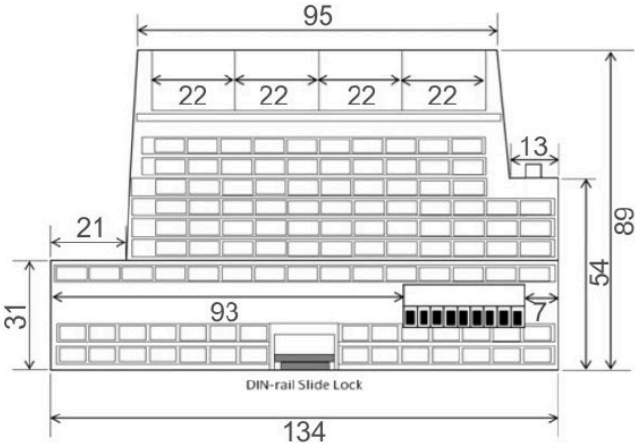
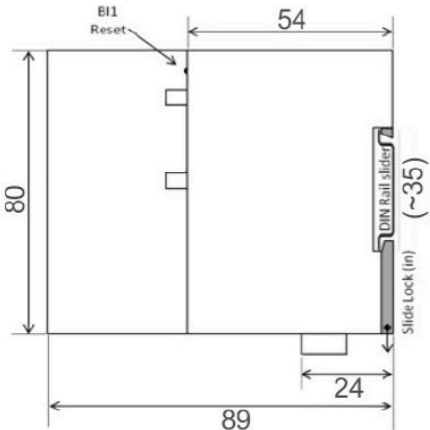
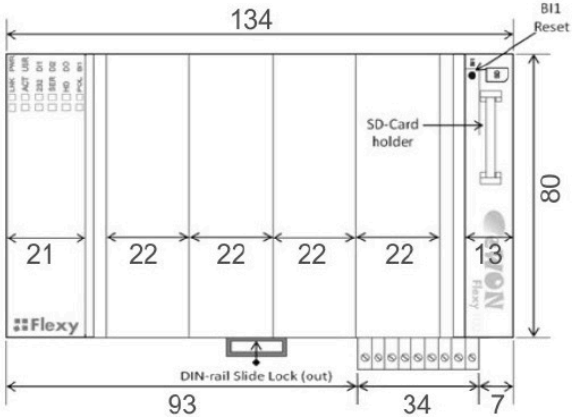
### Accessories Order no.

FLB3205	Expansion card mobile radio LTE North America AT&T
FLB320A	Expansion card mobile radio LTE Europe
FLB3209	Expansion card Mobile radio LTE Asia Pacific Africa China
FLA3301	Expansion card with 2 serial interfaces

FLB3271	Expansion card with 1x WLAN incl. short rod antenna
FLB3601	Expansion card 3x USB 2.0
FLX3101	Expansion card with 1x Ethernet WAN
FLX3402	Digital and analog I/O expansion card
WEEUM1	Extended User Memory 1GB
FLZUBCO1	Flexy/Cosy131 connection terminal for power supply and I/O, 9-pole, rated voltage 160 V, rated current 8 A, rated conductor size 0.8 mm <sup>2</sup> to 1.5 mm <sup>2</sup> , color green RAL6018,
WLANANT20	Magnetic base antenna with SMA-R connector 2.4 GHz@2 dBi with 1.8 m cable

**Drawings**

**Dimensions**



Alle Angaben in mm



Wachendorff Prozesstechnik GmbH & Co. KG  
Industriestrasse 7 • 65366 Geisenheim  
Germany

Phone: +49 (0) 67 22 / 99 65 - 20  
E-Mail: [wp@wachendorff.de](mailto:wp@wachendorff.de)  
[www.wachendorff-prozesstechnik.de](http://www.wachendorff-prozesstechnik.de)

