WACHENDORFF
Prozesstechnik GmbH & Co. KG

Ewon Netbiter EasyConnect

- Powerful ARM Cortex processor for fast data cycles
- Two separate Ethernet interfaces (WAN and LAN) enable secure communication with your field equipment
- You can connect additional signals and sensors directly to the Netbiter gateway via the analog and digital inputs and outputs
- Transparent conversion from Modbus RTU to Modbus TCP
- Integrated temperature sensor
- 6 status LEDs provide detailed diagnostic options
- Supports all Netbiter Argos service packages: Remote Access, View & Control and Manage & Analyze

https://www.wachendorff-prozesstechnik.de/en/eWON-Netbiter-EasyConnect

Description

The Netbiter EasyConnect gateway is for remote PLC access and cloud-based production data acquisition.

You can connect the Netbiter EasyConnect to your PLC, system controller or other field devices via the following interfaces: serial via RS-232/485 and Modbus-RTU or Ethernet-based via Modbus-TCP, EtherNet/IP or SNMP. The J1939 protocol is supported via CAN interface.

The gateway sends the log data to the Netbiter Argos cloud-based data portal via the Internet (Ethernet) or mobile communications. You can also connect additional sensors or other equipment directly to the gateway via the EC360's I/O connections.

Simple commissioning
Wherever your systems and devices are located: Simply connect them to a Netbiter EasyConnect gateway and access the operating data online via a standard web browser. The plug-and-play function allows you to set up even large installations quickly. You don't need to be an IT or mobile communications expert to do this.

4G (LTE) support (EC360/EC360W only)
The fastest variant for mobile radio from which users of the remote access function in particular benefit. The right choice for countries where 3G networks are about to be switched off. There are two variants that support the corresponding frequency bands for the respective regions. One variant for Europe, one for North America.
The Easy Connect 360W variant features a globally usable modem in combination with a second antenna connection for antenna diversity to improve reception quality.
Data security
The Netbiter EasyConnect Gateway enables secure access to your system data via the Internet. Firewalls are no obstacle. Even fixed, public IP addresses, VPN tunnels or expensive M2M-specific SIM cards are not necessary. The gateway communicates with Netbiter Argos via a TLS-encrypted connection.

Product details

Supported protocols	MODBUS/RTU, MODBUS/TCP, EtherNet/IP™, SNMP, SAE J1939
Interfaces:	1x RJ45 Ethernet WAN 10/100 Mbit/s 1x RJ45 Ethernet LAN 10/100 Mbit/s 1x CAN (10 kbit/s to 1000 kbit/s) 1x RS232 (Rx, Tx, GND, 1.2 kbit/s to 115.2 kbit/s) 1x RS485 (1.2 kbit/s to 115.2 kbit/s) 1x USB interface 1x SMA antenna connection for the 3G/GPRS modem (EC320/EC350 only) 1x SMA antenna connection for GPS (EC320/EC350 only)
Mobile radio standards:	**EC360 EU (NB1022):** GPRS 900, 1800 MHz 3G Band 8, 3, 1 LTE Band 20, 8, 3, 7, 1 **EC360 NA (NB1023):** GPRS 850, 900, 1800, 1900 MHz 3G Band 5, 4, 2 LTE Band 17, 5, 4, 2 **EC360W (NB1024):** UMTS Band 1, 2, 4, 5, 6, 8, 19 FDD-LTE Band 1, 2, 3, 4, 5, 6, 7, 8, 12, 13, 18, 19,20, 26, 28, 66 TD-LTE Band 38, 40, 41
Power supply:	9 to 32 VDC **EC310:** 2.5 W **EC360/EC360W:** 4,5 W
Weight:	< 500 g
Dimension:	D x H x W: 27 x 92 x 135 (mm)
Ambient temperature:	Operation: -40 °C to +65 °C Storage: -45 °C to +85 °C
Humidity:	10 to 95 %, non-condensing
Inputs and outputs:	4x analog input 0/4-20mA, 0-10V, PT100 2x digital input potential-free 1x relay output (24 V AC/DC, 1A)
Assembly:	Wall mounting , top-hat rail (via adapter)
Protection class:	IP20
Conformities:	**EC310:** CE, CULUS, RCM **EC360/EC360W:** CE, UL, RCM, FCC, IC
Manufacturer:	HMS Industrial Networks AB

Products Order no.

NB1007-C	Netbiter remote maintenance gateway EasyConnect 310
NB1022	Netbiter remote maintenance gateway EasyConnect 360 Mobile LTE Europe
NB1023	Netbiter remote maintenance gateway EasyConnect 360 Mobile LTE North America
NB1024	Netbiter Fernwartungsgateway EasyConnect 360W Mobilfunk LTE Weltweit

Accessories Order no.	
NB3004	Mobile radio and GPS antenna
WEW40902F	Omnidirectional mobile radio antenna GSM, 2G/GPRS, 3G/UMTS/HSPA with 5 m connection cable
WEW40902G	Directional radio antenna for GSM, 2G/GPRS, 3G/UMTS/HSPA, 4G/LTE screwable with 5 m cable
WEW40902H	Omnidirectional mobile radio antenna for GSM, 2G/GPRS, 3G/UMTS/HSPA, 4G/LTE with 5 m connection cable
WEW40902I	Clip-on mobile phone antenna GSM, 2G/GPRS, 3G/UMTS/HSPA, 4G/LTE Can be angled 90° and 180
WEW40902M	Magnetic base antenna GSM, 2G/GPRS, 3G/UMTS/HSPA, 4G/LTE antenna with 2 m connection cable
WEW40902N	Magnetic base antenna GSM, 2G/GPRS, 3G/UMTS/HSPA, 4G/LTE antenna with 5 m connection cable

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