Netbiter EC360W

Item number: NB1024

Ewon Netbiter enables you to remotely monitor and control field equipment - from anywhere. With this rugged gateway connected to the cloud solution Argos, remote installations can be monitored and controlled online 24/7.



Remote communication gateway exchanging data over Cellular 4G or Ethernet to the Netbiter Argos IIoT platform

Features and benefits

24/7 remote management of field equipment

With an Ewon Netbiter gateway connected to the Argos cloud service, you have a way of staying on top of equipment status and operations remotely. You can track performance, get alarms if something is wrong, and even manage and configure your equipment via computer or smartphone.

Receive alarms by push notifications, email or SMS

Receive alarms for particular events or conditions. This feature ensures prompt notifications for equipment status and access to both current and past alarm records. Download app at app.netbiter.net

Control systems and user access privileges

Get an immediate overview of your systems and user access privileges. Benefit from strong project management capabilities, enabling you to define projects and functions with total control.

Backed by solid security features

Rely on strong hosting and security features: Argos servers (used by Netbiter gateways) ensure stability with redundancy and geographically separated setups, supported by skilled personnel.

Instant, secure access from any web browser

Netbiter gateways send encrypted data via the cellular network or Ethernet to the Argos data center in the cloud. Argos is a secure, cloud-based hosting service where all your data is stored and accessed. You can then view and manage your equipment via any browser at www.netbiter.net

Easy to connect

Netbiter gateways enable easy remote connectivity to your field equipment. Easily & securely connect to your field assets via Modbus (serial or Ethernet), EtherNet/IP or CAN.

Designed for scalability

Use with one-off installations or large multi-user projects and sites. Its adaptable and robust design ensures seamless remote monitoring, making it an ideal choice even for the most complex projects.

Remote access to field equipment

Remotely configure a PLC or machine in the field by creating a highly secure tunnel. This allows for configuration, programming, or debugging of nearly any industrial device from any location.

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General

Related Accessories	NB3005
Net Width (mm)	130
Net Height (mm)	25
Net Depth (mm)	100
Net Weight (g)	480
Packed Width (mm)	135
Packed Height (mm)	59
Packed Depth (mm)	173
Packed Weight (g)	485
Operating Temperature °C Min	-40
Operating Temperature °C Max	65
Storage Temperature °C Min	-45
Storage Temperature °C Max	85
Power Consumption (W)	4.5
Input Voltage (V)	9 -32
Configuration	Configured from Argos
Content of Delivery	Gateway DIN Rail Mounting Kit Installation Guide Activation Information
Not Included (in delivery)	Power Supply
Mounting	Wall mount, DIN rail mount (bracket included)

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General

Housing Materials	Metal Housing
Warranty (years)	3
Packaging Material	Cardboard

Data Features

Data Acquisition Protocols	IO, J1939, Modbus RTU, Modbus-TCP
Data Publishing Protocols	HTTPS, Modbus, MQTT
Data Logging	Data Logging through secured connection to Argos
Alarms	Advanced alarms with multi-condition based triggering. Alarm actions support automatic on device responses. Alarms sent through app based push notifications, email or sms.

Identification and Status

Product ID	NB1024
Export Control Classification Number (ECCN) (Applies only to the U.S)	EAR99

Physical Features

SD Card Slot	SD
Connectors / Input / Output	Built-In IO (4 Analog input (4-20 mA, 0-10V), PT100, Relay) Power (BCP-508-2), RS485 (BCP-508-3), RS232 (BCP-508-3), CAN (BCP-381-15), Relay (BCP-381-15) , Analog-IN x 4 (BCP-381-15) , Digital-IN x 2 (BCP-381-15) , Ethernet (WAN and LAN) , USB (Micro)
Contains Battery	No

Wireless Features

Antenna Connector	SMA
Antenna	Not Included
Cellular Standards	4G
Frequencies & Bands	FDD-LTE: bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 18, 19, 20, 26, 28, 66 TD-LTE: bands 38, 40, 41 UMTS (WCDMA/FDD): bands 1, 2, 4, 5, 6, 8, 19
GPS Supported	Yes

CANopen Features

CANopen Mode	CANopen Master

CANopen Baud Rate	50, 125, 250, 500, 1000

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CANopen Features

CANopen Supported Functionality	SDO Client, NMT Master, HB Consumer
CANopen No. Of Slaves	1

Modbus-RTU Features

Modbus-RTU Mode	Master / Client
Modbus-RTU Supported Functionality	Up to 30 Slaves, Transparent Mode, Daisy Chaining
Modbus-RTU Functions Supported	22, 16, 23, 15, 6, 5, 2, 3, 1, 4
Modbus-RTU Baud Rate	1200bps - 115200bps

Modbus-TCP Features

Modbus-TCP Mode	Master / Client
Modbus-TCP Supported Functionality	Modbus-TCP Master, Transparent Modbus RTU / TCP Gateway (Up to 10 clients)
Modbus-TCP No. Of Servers	1
Modbus-TCP Functions Supported	22, 16, 23, 15, 6, 5, 2, 3, 1, 4
Modbus-TCP Bandwidth	10/100 Mbit/s

Serial Features

Max Stations	1
Connector	3-Pin Connector
Max Nodes	1
Ports	1 x RS232 1 x RS485
Baud Rate	9600 - 115200 bit/s

Certifications and Standards

Product Certifications	CE, UL, RCM, PTCRB, FCC, IC
PTCRB	Yes
WEEE Category	IT and telecommunications equipment

Use Case

