Netbiter

REMOTE COMMUNICATION GATEWAYS

Highlights

- Netbiter gateways connect to field equipment in order to send data to the Netbiter Argos™ data service.

- Data is sent securely via the cellular network or via Ethernet.

- No need for public and fixed IP addresses, VPN tunnels and expensive M2M-specific SIM cards.

Typical Applications

- Power generators

- Telecom base stations

- Building HVAC systems

- Industrial machinery

- Tank monitoring

- Pump stations

- Renewable energy

- Security and geofencing

Realize the Industrial Internet of Things in minutes
No matter where your field equipment is located, just connect it to a Netbiter gateway and you will be able to access it online in a regular web browser. The plug-and-play functionality makes it possible to perform large-scale installations within minutes.

Connectivity
Netbiter EC300 series gateways connect to field equipment via several connection methods: Serial RS-232/485 Modbus RTU, Modbus-TCP or EtherNet/IP. On-board I/O ports allow sensors and additional equipment to be connected.

Cloud services through Netbiter Argos™
The gateways interface with the cloud-based Netbiter Argos service via the cellular network or Ethernet. By logging into www.netbiter.net, you can access and visualize equipment data online and get alarms via email or SMS whenever certain thresholds are reached.

Configure and operate machinery remotely
The powerful feature Netbiter Remote Access allows you to open up a secure connection to remote machinery and configure or operate it from any location. For example, with a Netbiter gateway connected to your PLC, you are able to perform debugging or re-programming remotely from your PC, using your regular configuration software.

www.netbiter.com

TECHNICAL SPECIFICATIONS

	Netbiter EC350	Netbiter EC310
Name	Netbiter EC350	Netbiter EC310
Connection to Argos	Ethernet and 3G/GSM/GPRS	Ethernet only
Order code	NB1005	NB1007
Ethernet	10/100 Mbit/s	10/100 Mbit/s
3G/GSM/GPRS	3G: Five Band UMTS/HSPA+ (WCDMA/FDD) (850/800, 900, 1900 and 2100 MHz) GPRS: Quad-Band GPRS Class 12 (850/900/1800/1900 MHz)	-
Antenna connector	SMA female	-
Relay output (max 24 V, AC/DC, 1A)	1	1
Digital inputs	2 (Dry contact)	2 (Dry contact)
Analog inputs (PT100, 0-10 V or 0-20 mA)	4, all supporting 0-10 V or 0-20 mA and 2 supporting PT100	4, all supporting 0-10 V or 0-20 mA and 2 supporting PT100
Analog output (0-10 V)	-	-
Serial port #1	RS-232, 1,2 kbit/s to 115,2 kbit/s	RS-232, 1,2 kbit/s to 115,2 kbit/s
Serial port #2	RS-485, 1,2 kbit/s to 115,2 kbit/s	RS-485, 1,2 kbit/s to 115,2 kbit/s
GPS	Built-in (antenna** via SMA female)	-
Protocols	Modbus-RTU, Modbus TCP, EtherNet/IP	Modbus-RTU, Modbus TCP, EtherNet/IP
Modbus RTU to TCP conversion	YES	YES
Proxy support	SOCKS/WEB	SOCKS/WEB
Wall mounting / DIN rail*	YES/YES	YES/YES
Mechanical dimensions (L•W•H)	92 x 135 x 27 mm	92 x 135 x 27 mm
Operating temperature	-40 to +65 °C	-40 to +65 °C
Power supply	12-48 VDC	12-48 VDC
Power consumption (max at 24 Vdc)	4.5 W	2.5 W
Certifications	CE, CULUS, JATE, Telec, RCM, FCC, IC, PTCRB	CE, CULUS, RCM
Housing	Metal	Metal
Remote access functionality	YES	YES

*with DIN rail mounting kit **not included

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Rev 1.1. Subject to change without notice.