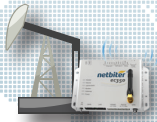


## EasyConnect™ gateways

Netbiter EasyConnect is a series of communication gateways that connect to field equipment and enable direct connection to the Netbiter Argos™ data center.

Data is sent securely via the mobile phone network (3G or GSM/GPRS) or via Ethernet.



### Commonly used for:

- Power generators
- Telecom base stations
- Building HVAC systems
- Industrial machinery
- Tank monitoring
- Pump stations
- Renewable energy
- Security and geofencing
- PLC configuration

### Fast and easy deployment

Wherever your field equipment is located, just connect it to a Netbiter EasyConnect gateway and you will be able to access equipment data online in a regular web browser. The plug-and-play functionality makes it possible to perform large-scale installations within minutes.

### Connectivity

EasyConnect 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 extend the EasyConnect gateways by allowing sensors and additional equipment to be added to the system.

### Cloud services through Netbiter Argos™

The gateways interface with the cloud-based Netbiter Argos server via the cellular network or Ethernet. By logging in to [www.netbiter.net](http://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 EasyConnect connected to your PLC, you are able to perform debugging or re-programming remotely from your PC, using your regular configuration software.

### Data security




Netbiter EasyConnect offers unique technology for secure access to your industrial equipment located behind firewalls. The gateways communicate via 3G/GSM/GPRS or Ethernet and eliminate the need for public and fixed IP addresses, VPN tunnels and expensive M2M-specific SIM cards.

### Netbiter SIM-cards

HMS offers a SIM card with roaming capabilities for most countries around the world.



\* Patent pending

TECHNICAL SPECIFICATIONS			
Description	EC350	EC310	EC220
Order code	NB1005	NB1007	NB1000
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)	-	Quad band GPRS Class 12 850/900/1800/1900 MHz
Antenna connector	SMA female	-	SMA female
Relay output (max 24 V, AC/DC, 1A)	1	1	1
Digital inputs	2 (Dry contact)	2 (Dry contact)	2 (Isolated, max 24 V DC)
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	2
Analog output (0-10 V)	-	-	1
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	RS-232 up 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	RS-485 up to 115,2 kbit/s (isolated)
GPS	Built-in (antenna** via SMA female)	-	External GPS via RS 232
Protocols	Modbus-RTU, Modbus TCP, EtherNet/IP	Modbus-RTU, Modbus TCP, EtherNet/IP	Modbus-RTU
Modbus RTU to TCP conversion	YES	YES	-
Proxy support	SOCKS/WEB	SOCKS/WEB	-
Wall mounting / DIN rail*	YES/YES	YES/YES	YES / YES
Mechanical dimensions (L*W*H)	92 x 135 x 27 mm	92 x 135 x 27 mm	92 x 115 x 25 mm
Operating temperature	-40 to +65 °C	-40 to +65 °C	-30 to +65 °C
Power supply	12-48 VDC	12-48 VDC	9-24 V DC
Power consumption (max at 24 Vdc)	4.5 W	2.5 W	2 W
Certifications	CE, cUL <sub>US</sub> , JATE, Telec, RCM, FCC, IC, PTCRB	CE, cUL <sub>US</sub> , RCM, FCC, IC, PTCRB	CE, cUL <sub>US</sub> , FCC/IC, PTCRB
Housing	Metal	Metal	Metal
Remote access functionality	YES	YES	-

\*with DIN rail mounting kit

\*\*not included

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