

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, 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
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
Antenna connector	SMA female	-	SMA female
Protocols	Modbus-RTU, Modbus TCP, EtherNet/IP	Modbus-RTU, Modbus TCP, EtherNet/IP	Modbus-RTU
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 _{US} , JATE, Telec, RCM, FCC, IC, PTCRB	CE, cUL _{US} , RCM, FCC, IC, PTCRB	CE, cUL _{US} , FCC/IC, PTCRB
Housing	Metal (Plastic version to come)	Metal (Plastic version to come)	Metal
Remote access functionality	YES	YES	-

*with DIN rail mounting kit

HMS Industrial Networks - worldwide

HMS - Sweden (HQ)

Tel : +46 (0)35 17 29 00 (Halmstad HQ)
Tel: + 46 (0)35 17 29 24 (Västerås office)
Email: sales@hms-networks.com

HMS - France

Tel: +33 (0)368 368 034
Email: fr-sales@hms-networks.com

HMS - Italy

Tel : +39 039 59662 27
Email: it-sales@hms-networks.com

HMS - United States

Tel: +1 312 829 0601
Email: us-sales@hms-networks.com

HMS - China

Tel : +86 10 8532 1188
Email: cn-sales@hms-networks.com

HMS - Germany

Tel: +49 721 989777-000
Email: ge-sales@hms-networks.com

HMS - Japan

Tel: +81 (0)45 478 5340
Email: jp-sales@hms-networks.com

HMS - Denmark

Tel: +45 35 38 29 00
Email: dk-sales@hms-networks.com

HMS - India

Tel: +91 20 2563 0211
Email: in-sales@hms-networks.com

HMS - UK

Tel: +44 (0) 1926 405599
Email: uk-sales@hms-networks.com

Scan the QR-code to get more information about how to contact HMS and our distributors.



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