netbiter®

Netbiter® WS100/WS200

The Netbiter® WS100 and WS200 is a series of communication gateways that gives full access to remote devices in a flexible and user friendly way. The gateways contain on board web pages to remotely monitor and control devices connected to an Ethernet LAN. The gateways also contain built-in features for alarm handling, data logging and configurable web pages for monitoring and control data from remote devices.

Industries and markets

The proven Netbiter platform is a complete remote management solution used in many industrial markets and applications such as:
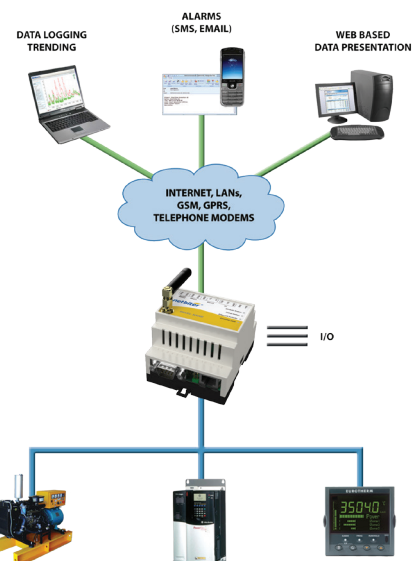
- Industrial machinery
- Building management
- Power generation
- Tank monitoring
- Pump stations
- Renewable energy
- Security and anti-theft

The Netbiter WS100 and WS200 communication gateways enable remote management of industrial equipment from a standard web browser. By providing fast and accurate information at any time and place, they help to minimize equipment downtime and unnecessary service personnel travel.

Netbiter WS series gateways connect to any equipment which supports serial Modbus-RTU and Ethernet Modbus-TCP equipment. The WS range is especially suited for equipment that needs to be accessed via LAN applications.

The Netbiter WS series gateways has support for remote connection over Ethernet, GSM/GPRS, as well as through external telephone modems and GPS tracking devices.

- Built-in web server for accessing remote data
- Alarm and Status handler (notifications via SMS, E-mail and SNMP)
- Data logging with graphical trend graphs
- Easy configuration using onboard web pages
- 10/100 Mbit/s Ethernet
- Available with built-in quad band GSM/GPRS modem
- Password restricted access control
- No licenses/royalty
- Built-in digital I/O
- Transparent gateway between serial Modbus-RTU and Modbus-TCP Ethernet

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Configuration

The configuration of the Netbiter WS series is easily done via built-in web pages. The use of Netbiter Device Templates makes configuration easy without prior detailed knowledge about Modbus.

A Device Template is a configuration file that describes the device data and its properties.

The gateways also support transparent bridging of data between serial Modbus-RTU and Ethernet Modbus-TCP. This allows Ethernet based supervisory SCADA or PLCs to access devices simultaneously through the on board web pages.

TECHNICAL SPECIFICATIONS

	WS100	WS100-M	WS200
Order code	WS100	WS100-M	WS200
Ethernet	10/100 Mbit/s	10/100 Mbit/s	10/100 Mbit/s
GSM/GPRS	-	-	Quad band GPRS Class 12 850/900/1800/1900 MHz
Alarms	E-mail, SNMP, SMS	E-mail, SNMP, SMS	E-mail, SNMP, SMS
Serial port #1	RS-232	RS-232	RS-232
Serial port #2	RS-232/RS-485	RS-232/RS-485	RS-232/RS-422/RS-485
Serial baud rate	Up to 115,2 kbit/s	Up to 115,2 kbit/s	Up to 115,2 kbit/s
Digital Input	2	2	2
Relay Output	1	-	-
Protocols	Modbus-RTU, ASCII, TCP/IP	Modbus-RTU, ASCII, TCP/IP	Modbus-RTU, ASCII, TCP/IP
Type of housing	Norm, 4 modules, IP20	Metal, IP20	Norm, 4 modules, IP20
DIN rail / Wall mounting	YES / NO	NO / YES	YES / NO
Mechanical dimensions	90 mm x 70 mm x 58mm	92 mm x 115 mm x 25 mm	90mm x 70mm x 58mm
Operating temperature	-40 to +65 °C	-40 to +75 °C	-30 to +65 °C
Power supply	9-24 V DC	9-24 V AC/DC	9-24 V DC
Power consumption	2 W	2 W	3 W
Certifications	CE, $_c$UL$_{US}$, FCC/IC, PTCRB (ATEX/Haz.Loc pending)	CE, $_c$UL$_{US}$, FCC/IC, PTCRB (ATEX/Haz.Loc pending)	CE, $_c$UL$_{US}$, FCC/IC, PTCRB (ATEX/Haz.Loc pending)

3 YEAR GUARANTEE

HMS provides a full 3 year product guarantee from date of shipment.

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