

miniSCADA

1956 - 2006

50 Jahre Erfahrung und Qualität
50 years of experience and quality

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configurable web gateway

*mini*SCADA



BELUK GmbH

Taubenstrasse 1
86956 Schongau
Germany
Tel: +49 8861 2332-0
Fax: +49 8861 2332-22
e-mail: blr@beluk.de
<http://www.beluk.de>

MONITOR AND CONTROL MODBUS DEVICES USING A WEB BROWSER

DESIGN WEB INTERFACE WITHOUT SPECIAL TOOLS OR HTML EDITORS

SEND ALARM MESSAGES VIA EMAIL OR SMS

DATA LOGGING IN BUILT-IN MEMORY AND TREND GRAPHS

Competence in Planning - Quality in Detail

BELUK - Your Partner for:

Reactive Power Compensation and Energymeasurement
Medium- and Lowvoltageswitchgears

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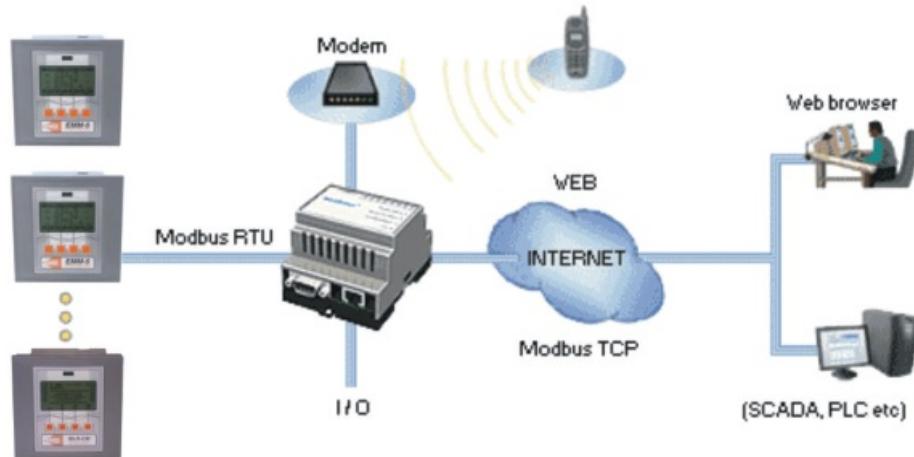
MANAGEMENT SYSTEM



certified by DQS according to
DIN EN ISO 9001
Reg. No. 004976

PR_EN_SCADA_02

The miniSCADA is an easy-to-use web based SCADA system. Both local and remote monitoring and control is supported over Ethernet, Internet, LANs, Telephone modems, GSM (external modem necessary) and GPRS. The Beluk miniSCADA hardware has a built-in web server that operates when customizing the graphical user web interface. Everything is done by clicking your way through the onboard web pages using a standard web browser at any computer. Therefore no Windows tools or HTML editors are needed. No licenses or royalties.



FEATURES

Web server (designing web pages to monitor / control Modbus data)

The Gateway acts as a web interface to one or more Modbus RTU devices (SLAVES). The Gateway holds an embedded web server with corresponding web pages inside. The user can configure what data (up to 400 Modbus registers) to be monitored and controlled through the onboard web pages. When the configuration is saved, the Modbus data will start updating immediately on the web pages.

Alarms by Email and SMS

The user can configure up to 64 alarms and the conditions to trigger an alarm. The alarm can be sent by email or SMS (external GSM modem necessary) where the user can decide whom to receive the alarms. Of course the user can configure the text in the email or the SMS. All alarms are additionally stored in an alarm history.

Data logging with historical trend graphs

The device can log up to 64 parameters with selectable sample rate (10 s - 60 min). The parameters are stored into the built-in memory and they are also displayed with trend graphs. Collected data can be downloaded to the PC as CSV-file.

Modbus TCP (to connect to SCADA systems or PLC's over Ethernet)

The Gateway acts as pure transparent connection between serial Modbus RTU devices to the standard Ethernet protocol Modbus TCP, used in all major SCADA systems or PLC's.

Security

To ensure safe communication the product supports different levels of security. For example, an authorized user must be able to log on with the right user name and password, assigned by the administrator. The product also holds several functions to keep the data base consistent in case of power loss etc.

TECHNICAL DATA

Ethernet protocols:	Modbus TCP, HTTP, SMTP, FTP, SNMP
Ethernet baud rate:	10 / 100 Mbit/s
Serial port #1:	RS232 / RS485 for Modbus RTU / ASCII
Serial port #2:	RS232 (full modem support)
Serial network baud rate:	Configurable up to 57.6 kbit/s
Power supply:	9 - 32V AC/DC
Current consumption:	50mA / 24VDC
Operating temperature:	0...+60°C
Certifications:	EN 50081-2:1993 and EN 61000-6-2:1999
Humidity range:	5 -93% RH, non-condensing
Housing:	Grey plastic, Lexan 940, self-extinguishing acc. to UL94-V0 DIN rail, 4 modules, IP 20
Mechanical dimensions:	90mm x 70mm x 58mm

100% of the application software is running on the Beluk miniSCADA and therefore the client browser can be located anywhere. For example, connect Modbus devices and select data of your choice on the configuration web pages. The configured data appears automatically on the built-in web pages, without writing a single line HTML.