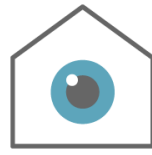


BAS Web Server



BA SYSTEMS
BUILDING AUTOMATION SYSTEMS

Datasheet

BAS Web Server belongs to a family of programmable controllers designed to suit the needs of small to medium sized installations. BAS Web Server is well suited to act as an internet gateway for many different types of equipment attached to its ports.

BAS Web Server contains all elements enabling control and monitoring, this includes PID elements, trendcurve data collection, timers, alarmhandling etc.

BAS Web Server contains 2 Digital input I/O channels.

All BAS Series controllers can read and/or write data directly from other BAS Series controllers.

BAS Web Server can be mounted on a DIN 36 rail.

BAS Web Server can communicate via RS485, Ethernet, RS232 or M-Bus.

BAS Web Server can function as a standalone unit or as a part of a larger system ie. using BAS SCADA.

BAS Web Server can be connected to foreign systems via BACnet, Modbus/TCP or BAS OPC

BAS Web Server has a built-in webserver and supports a full java based graphical interface that can be be



Technical data	
Power supply:	24 VAC 6W
Temperature area	Storage -20 °C to +70 °C Operational -10°C to +60°C
Humidity	Max. 90% RH, non condensating
Mechanical	ABS/PC, IP20 115 x 86 x 58 mm 160 g
Real time clock	± 12 minutes pr. year at 20°C. RTC can run for more than 1 year without power supply. Can be updated via SCADA or an internet connection
Communication	10/100 Mbit ethernet USB-OTG 3xRS232 M-Bus with support for up to 20 heatmeters 3-wire RS485 multidrop
Digital input	2 channels for potential free contacts. Both channels can be configured for counting.

BAS Web Server is designed to be an easy to configure "multiple purpose" controller. It can be mounted close to the equipment that is to be controlled so that the wiring effort will be minimal.

BAS Web Server is microprocessor based and consists of a motherboard with versatile communication possibilities.

BAS Web Server can read and/or write data to other BAS Series controllers via TCP/IP. Also data from M-Bus and Modbus can be used.

Powerloss

BAS Web Server utilizes flash and memory and battery backup to ensure that the unit starts correctly after a powerloss

Clock

BAS Web Server uses a RTC (real time clock) so that the correct time is used. Also the clock can be synchronized from a SCADA server or from the internet.

Daylight savings time (DST)

BAS Web Server changes automatically between standard time and DST. This function can also be deactivated.

Digital inputs:

The digital inputs can be used to detect alarms, read

status indicators, aso. The digital inputs have an internal power supply. They can also be used to count pulses.

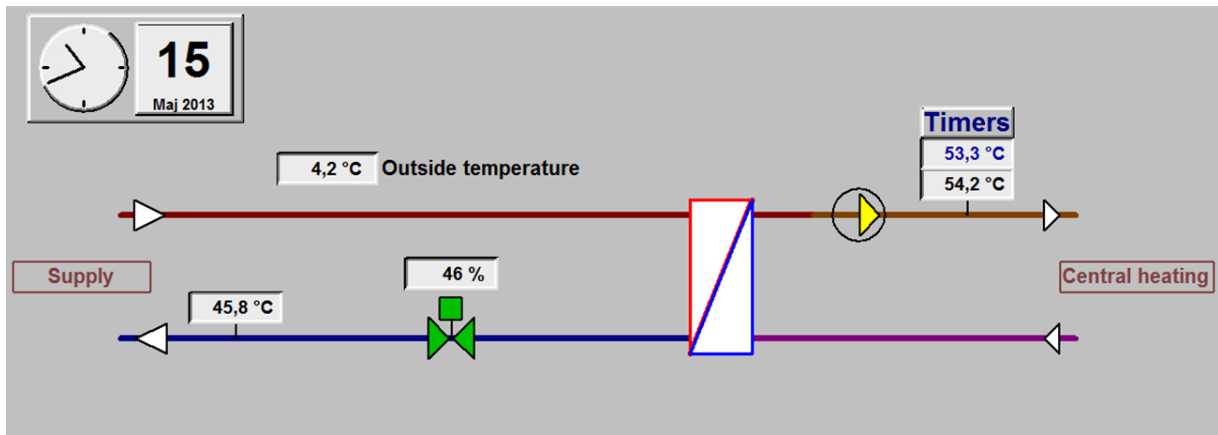
Ethernet:

The ethernet can be used for datacollection/communication via BACnet/IP, ModBus/Master, WWW, BAS SCADA, foreign SCADA via BAS-OPC, ModBus/Slave and communication with other controllers in the BAS Series

USB OTG

The USB OTG can be used for updating the firmware using an USB stick.

Example web interface



Communication

BAS Web Server has many communication possibilities:

Given the interfaces and Protocols supported the following implementations are supported

	Physical Interface			
Protocols	RS232	RS485	M-BUS	IP (ethernet)
BACnet				Slave
Modbus	Master	Master		Master/Slave
M-Bus	Master		Master	
BAS Native				Master/Slave

BAS Native is a protocol supported by all controllers, for data exchange between BA System products. BAS Web Server can act as a ModBus server.

BAS SCADA

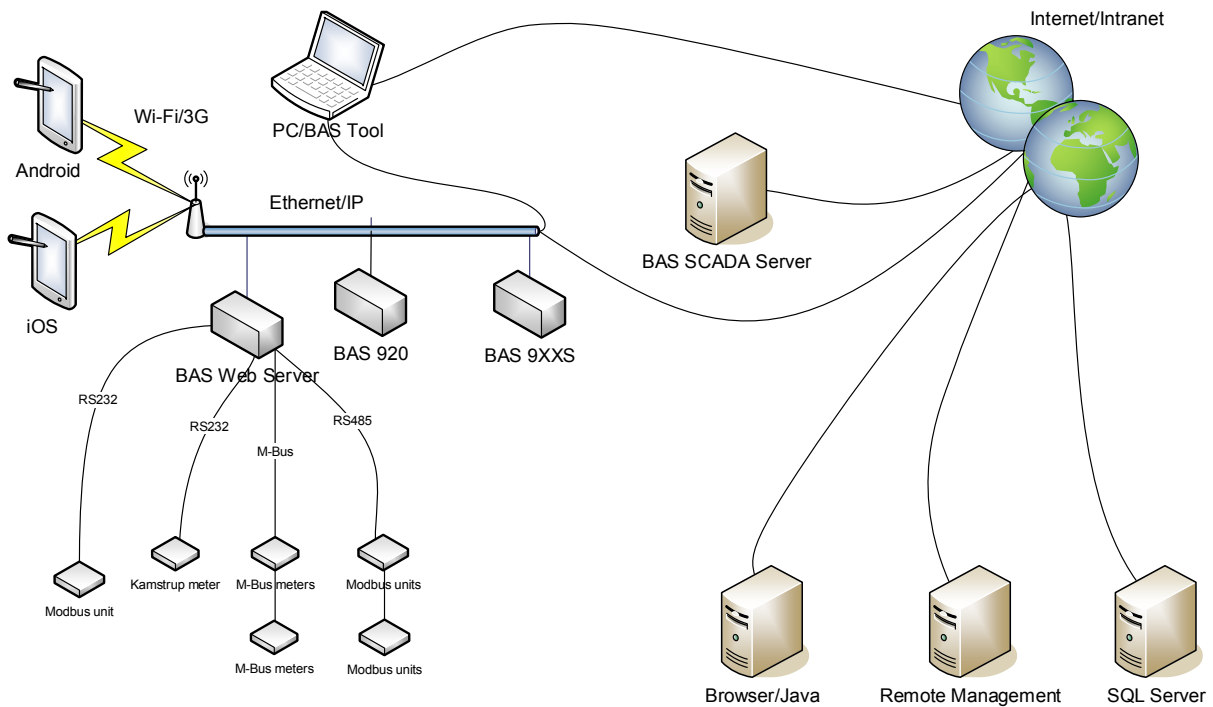
Via our SCADA system all data, both calculated and I/O data, can be presented as a symbol, a text or a number. Data can be read and/or written. Communication with the BAS Web Server can be done via TCP/IP

BAS Tool

The BAS Tool program can be used to monitor a BAS Web Server. Uses Ethernet

BAS Web

Via a browser an interactive fully graphical user interface can be shown, A similar interface is also available via an Android or iOS App.



Dimensions

