

KROHNE

SASMW Smart Application Server Micro-Wireless

The **Smart Application Server (Micro size + Wireless) SASMW** is an embedded converter for Krohne products. Its small size allows the system to be installed within many compact converters or within nearby electrical conduit. It's primary function is to act as an extension of the converter to add additional industrial interfaces (i.e. Ethernet/IP™).

Since the system is smart, it also provides an additional pathway to configure and monitor the meter. It has a local secure email agent that allows data sets or level alarms to be securely emailed or texted. The encrypted email connection prevents unintentional email blast and the potential of having your email domain blacklisted!

The Ethernet/IP™ connection method is universal allowing the smaller Allen Bradley PLC to be utilized without writing addition rungs or using complex messaging objects. Simply give the unit the PLC IP and where in the IO table/Tag you want the data to appear and it will do the rest.

The SAS keeps with the “KISS” principle - **KEEP IT SIMPLE STUPID**. It has online videos and click and view help to assist the user.



Hardware Specification

μProcessor	1GHz SOC 32bit	System On Chip arm processor (Broadcom)
RAM	512MB	SDRAM
SD	8GB MLC (Ind)	Industrial micro SD card with wear leveling and multi-level cell memory elements—At least 4GB for data storage
WIFI	802.11 b/g/n	WEP, WPA and WPA2 (IEEE 802.11i / RSN (Robust Secure Network))
Bluetooth	4.1(BLE)	TBD
Serial Com	RS485	(1.2-115.2)Kbit/sec,7-8 bit, odd/even/none parity, half duplex
Enclosure size	L/W/H mm (inches)	±3.0mm
	107.5/38.5/20 (4.23/1.52/0.79)	

Software Specification

OS/Web Server	Debian version 8 or 9 and Apache Web Server	Open source software—debugged and reviewed by thousands of software and security engineers. Debian one of the most downloaded and used Linux OS. Apache is most popular web server since 1996. PHP and Python—primary interpreters and byte code compilers used by Facebook and Google. GCC—
Application Software	PHP, Python, and GCC	
Ethernet/IP™ Software	Explicit Ethernet/IP CIP and embedded PCCC	Supports:ControlLogix5555 , CompactLogix, SLC-5/05, Micro-Logix 1100/1400
Modbus®	Master TCP/485 RTU	Slave implementation on request