

Case Study

Particle Counting

HACH Metone R4800 Particle Counter

Obtain count data. Control the counter.

The R4800 counters can be connected in a RS485 trunk. The driver developed by Chipkin can communicate with one or more counters. Our gateways support 2 (and in some cases more) trunks. The driver allows remote commands to the counter – Start , Stop , Auto , Manual , Standby. The driver allows a remote client to read and monitor the particle counts.

Some Details

Each counter is allocated a unique address. This is set at installation time by HyperTerminal or a similar tool using ascii commands.

Each counter has a DB15 connector. 2 pins on the connector are available for RS485. Other pins are used to power the R4800.

Typical Count Data

Command / Service	Offset	Contents
send buffered record	0	Trigger
	1	Set to zero if no records are available. Set to 1 if there is a record.
	2	status indicator
	3	month
	4	day
	5	year
	6	hour
	7	minute
	8	second
	9	period
	10	ch1_size
	11	ch1_count
	12	ch2_size
	13	Ch2_count
	14	location

Chipkin Automation Systems

Protocol to protocol – Enabling the IOT Internet of Things

Products that support approx.. 140 major protocols. If we don't have a solution for you we will make you one. More than a dozen customers a year have a custom driver developed for them.

Chipkin are highly regarded for their outstanding support. System integration isn't always trivial even if that is what they tell you.

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Metone

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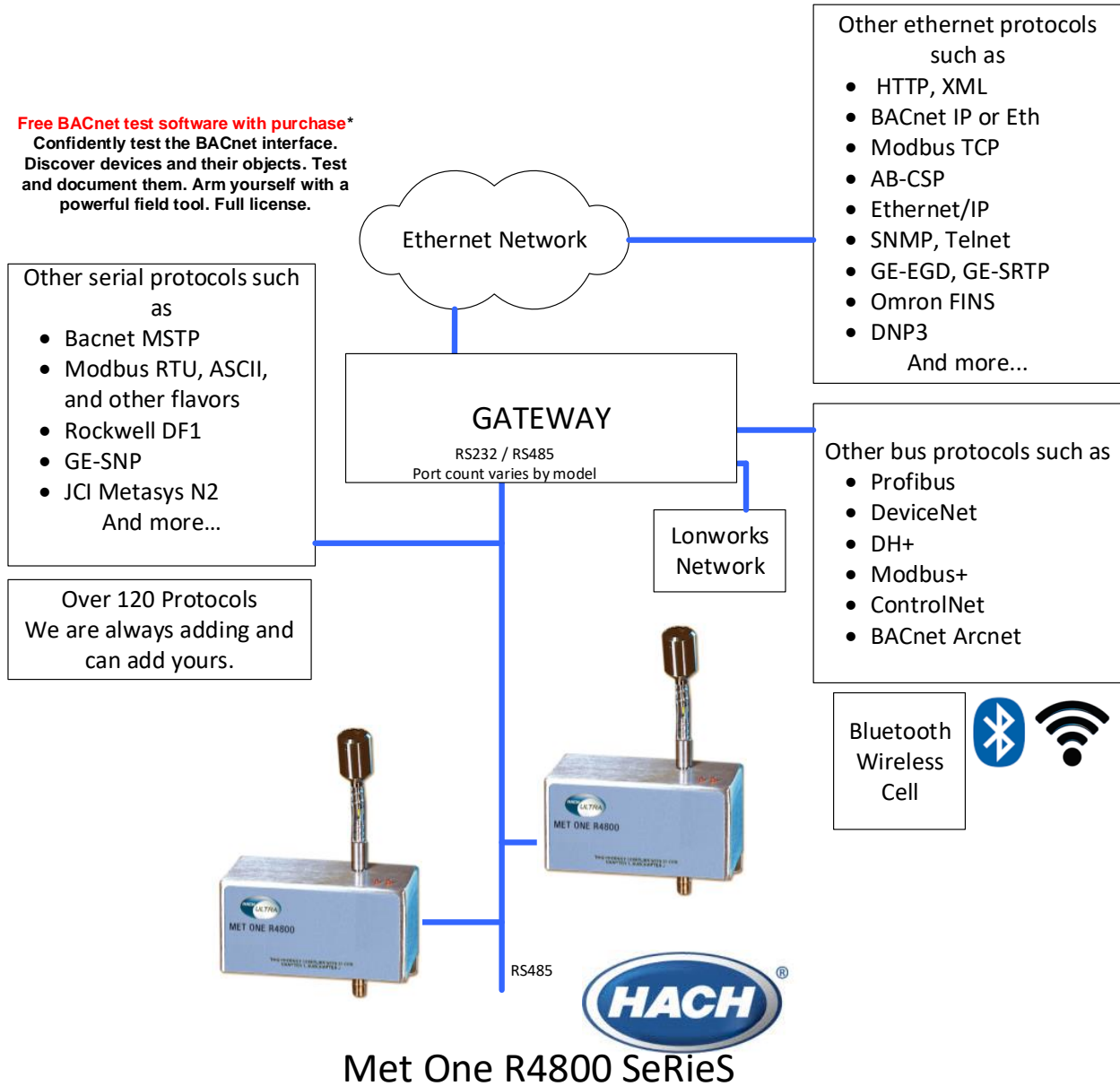
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Block Diagram

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Keywords

R4800 BACnet

R4800 Modbus

Metone R4800 protocol

R4800 Particle Counter integraton

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