SIP+ Data Logging

SIP+ EMT Energy Monitoring

SIP+ EMT is the energy variant of our successful and established range of SIP interface devices and works on the same principals, delivering a simple but effective solution to meet your exact requirements.

The SIP+ EMT device has been designed to be easy to use and commission across a broad range of competency. Our SIP+ EMT coupled with our Vision software provides users with a data logging and energy display solution, with configurable local and public dashboards.

The solution has been developed so that it can also be configured and managed by end users, and provides

- Multiprotocol platform
- Easy to use with web based configuration
- Simple solution for monitoring and interfacing
- Reduced engineering time and cost
- Data reports as CSV files via FTP, SFTP, FTPS and email
- Integration with a wide range of technologies and protocols

SIP+ EMT provides you with live data about your energy consumption and allows you to look at different parts of your network for the purpose of making improvements.

SIP+ EMT is a fixed cost on site solution that is tailored to your exact needs. Why pay for ongoing subscriptions for a remote energy monitoring service when you will probably only use a small percentage of the functionality you will be paying for?

Multiprotocol platform

The SIP+ EMT hardware uses our latest multiprotocol platform which enables the user to connect to, collect and display data from devices via M-Bus, ModBus, BACnet or Trend Networks.

For example SIP+ EMT can monitor and display points from

- A network of ModBus Meters
- and / or a network MBus Meters
- and / or pulse meters being monitored via a Trend BMS
- and / or Fan coil units on a BACnet network

Interfacing via SIP+ EMT/IF

Our SIP+ EMT/IF also enable you to interface any of your sub metering or devices with a BACnet BMS via our BACnet Integration Controller (BIC) or Trend BMS via our Virtual IQ (vIQ), when required.

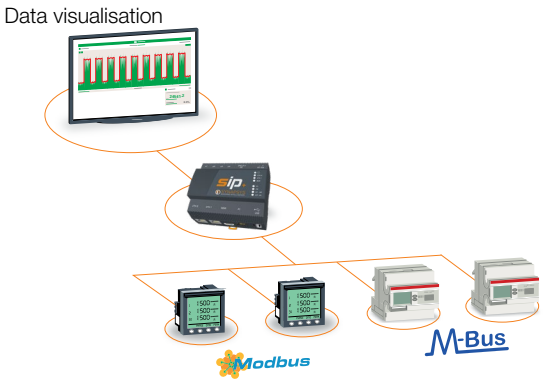
Furthermore SIP+ EMT/IF will also allow you to access your energy data independently to the BMS.

SIP+ EMT at a glance

- Multiprotocol platform
- Cost effective on site solution
- No ongoing licence costs
- Data held on site
- Easy to install and commission
- Comprehensive technical support
- Easy to use with web based configuration
- Simplifies monitoring and interfacing
- Reduces engineering time and cost
- Reliable proven platform
- Integrates with a wide range of technologies and protocols
- Data reports as CSV files via FTP, SFTP, FTPS and email
- Direct data collection the mySQL database
- Simple to deploy and engineer, saving time and engineering cost

Logging data from meter networks

SIP+ EMT enables you to define, collate and display energy data and performance from multiple networks of ModBus, M-Bus meters and Pulse meters, which can also be included using pulse acquisition modules. This solution offers a stand alone system which provides a cost effective, energy monitoring solution.



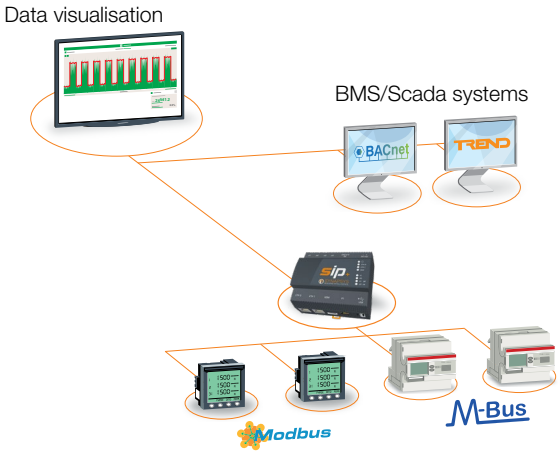
Data logging from meter networks

Logging data from meter networks and interfacing to a BMS

SIP+ EMT/IF has all the functionality of the SIP+ EMT devices but with the added benefit of being able to have additional registers from the meters interfaced to your Trend or BACnet BMS.

For Trend interfacing is via our own Virutal IQ - vIQ's present third party devices as Trend Controllers with values transferred as Trend Modules - Sensors, Knobs, Switches, Digital Inputs - with full Trend functionality.

For BACnet interfacing our new BACnet Integration Controller - BIC's present third party devices as BACnet devices, with values tranferred as BACnet object types, with Notifcation Class and Trendlog functionality.



Data logging and interfacing to BMS solution

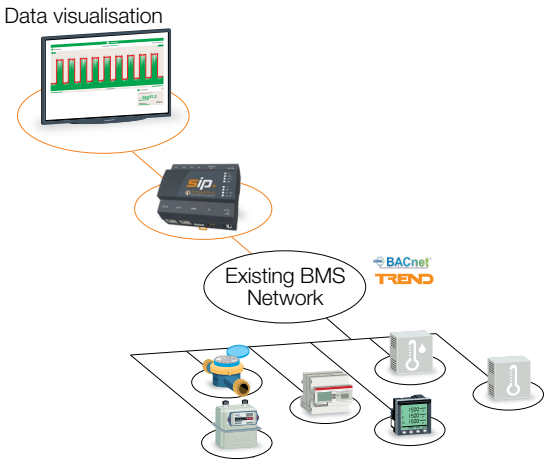
Logging data points being monitoring by an existing BMS

SIP+ EMT enables the devices connected to and monitored by an existing BMS to be included in the system. The SIP+ EMT device sits on the BMS network, learns the pulse meter outputs for example, and these can then be displayed as graphs and included in the Energy Monitoring system.

Add Vision to your solution

SIP+ Vision provides the system portal through which multiple SIP+ EMT products can be connected and networked to provide a fully featured energy monitoring system.

Enhanced features and connectivity options are unlocked by installing Vision on a SIP+ EMT or IF device, including a configurable public display option that includes energy graphs, financial calculations, energy and utility comparisons, energy performance, news feeds and weather information.



Data logging from devices connected via a BMS

Commissioning and support

As with all Synapsys products and software solutions, SIP EMT devices have been designed to be simple to deploy and use. Our Commissioning engineers, Software and Technical supports teams are available to support installation and set-up, right through to handover to the end user.

For more information about Synapsys and our product range please visit www.synapsys-solutions.com.

Alternatively to speak with one of our team in more detail or to arrange a demonstration of our products and solutions, please contact us on 01444 246 128 and we will be happy to discuss your requirements.

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