SIP+ Daikin - Daikin AC Integration

Streamlined integration for optimal performance

Overview

The SIP+ Daikin product range has been designed to expose values from devices connected to the Daikin AC network, available through a Daikin Centralised Controller, e.g. Daikin I-Touch Manager or Daikin I-Touch Manager Adapter, to a BMS (BACnet or Trend), a SCADA system (ModBus Slave), and/or to IoT (MQTT/REST) cloud based platforms.

Each Daikin I-Touch Manager or Adapter supports up to 64 devices per D-Net AC network. Available parameters from each connected device on the AC network can be linked to a defined parameter to expose these values via a required protocol using the configuration web pages within the SIP+ Daikin hardware.

To simplify the commissioning, the Daikin driver includes a discovery tree listing all available devices/parameters, and shows a list of selected Daikin parameters.

Connectivity to BMS/IoT/SCADA platforms are configured via the available drivers within the SIP+ Daikin device.
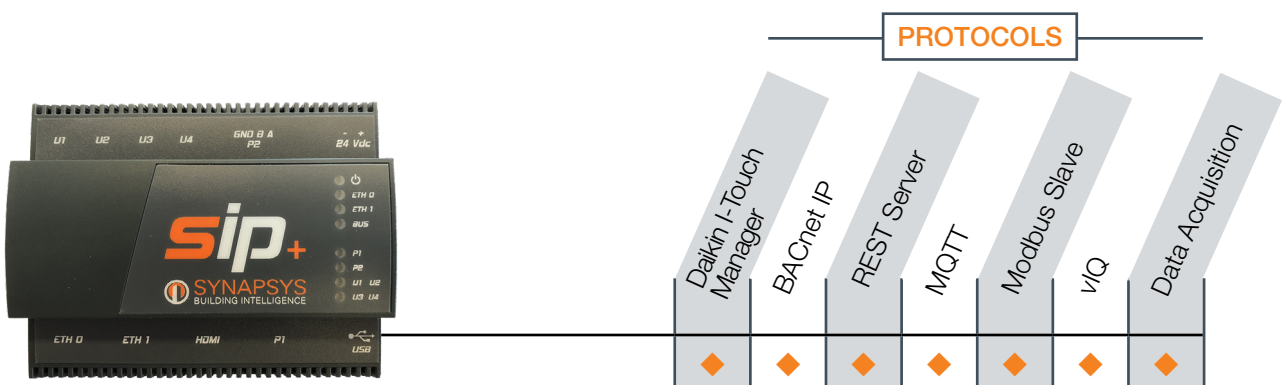

SIP+ Daikin features

- Max 4 AC networks
- Max 64 devices per AC network
- Max 2560 points from any compatible unit
- BMS compatible application
- IoT compatible application
- 2 x Ethernet Ports
- 1 x RS485 Port (ModBus Master connectivity)
- 1 x RS232 Port (ModBus Master connectivity)

SIP+ Daikin easy commissioning

- HTML webpage based set up
- No special tools required
- Built in discovery tree - which enables:
  - Easy discovery of available devices
  - Easy discovery of available parameters
  - Displays a list of selected Daikin parameters
- Synapsys Technical support available
- Panel solutions also available

Supported protocols

SIP+ Daikin is a multi-protocol hardware platform and includes the following drivers and can also be upgraded to include our Decision Engine driver for creating your own control logic for your applications.

PROTOCOLS

Daikin I-Touch Manager | BACnet IP | REST Server | MQTT | Modbus Slave | vIQ | Data Acquisition

SIP+ Daikin product range

SIP+ Daikin is available in four variants supporting 640 up to 2560 points.

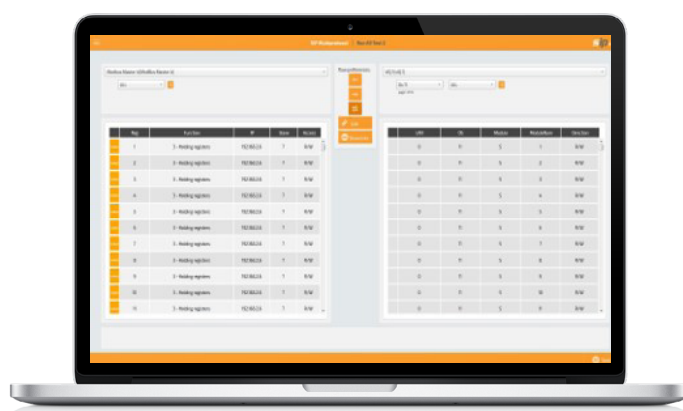| Order code	Description
SIP+/DAIKIN/640	Up to 640 requested points from the Daikin I-Touch Manager and connected Daikin Adapters linked to BMS/IoT/SCADA
SIP+/DAIKIN/1280	Up to 1280 requested points from the Daikin I-Touch Manager and connected Daikin Adapters linked to BMS/IoT/SCADA
SIP+/DAIKIN/1920	Up to 1920 requested points from the Daikin I-Touch Manager and connected Daikin Adapters linked to BMS/IoT/SCADA
SIP+/DAIKIN/2560	Up to 2560 requested points from the Daikin I-Touch Manager and connected Daikin Adapters linked to BMS/IoT/SCADA
PSU/24VDC/1A	24V DC 1A Power Supply

Commissioning and support

As with all Synapsys products and software solutions, Our SIP+ Daikin hardware devices have been designed to be simple to deploy and use.

Our Commissioning engineers, Software and Technical support teams are available to support installation and set-up, right through to handover to the end user.

We also provide customers with access to our SIP Integrator support website, which contains all of our technical data sheets and information about our latest technical updates.

Through our SIP Integrator support website we also give customers access to our catalogue of free SIPeasy files which simplify the commissioning and configuration of our products, saving you time and money.

Panel solutions

Synapsys have a number of standard enclosures available to suit your SIP+ Daikin installations and we can also provide enclosures tailored to your requirements.

We include the supply of the enclosure, trunking, DIN rails, MCB, terminals, labels & tri-rated cable. Prices include delivery to mainland UK.

All our enclosure are supplied with A3 drawings and a panel test certificate, PDF copies are available by email on request.

Contact us today to discuss your panel requirements.

Want to know more?

If you would like to know more or have any questions about our SIP+ Daikin hardware and its capabilities, please contact your local Synapsys Account Manager, call us on 01444 246 128 or email us at enquiries@synapsys-solutions.com.

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

Synapsys Solutions Ltd
No. 1 Woodlands Court, Albert Drive,
Burgess Hill, West Sussex, RH15 9TN

T: 01444 246 128
E: enquiries@synapsys-solutions.com
W. www.synapsys-solutions.com

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