

SIPslice LoRaWAN

LoRaWAN device integration made simple

Overview

The Synapsys SIPslice LoRaWAN has been developed to provide a simple and efficient way of interfacing third party LoRaWAN devices, such as Heat, Gas, Water, Electricity meters, Sensors or Pulse counters for integration to third party systems, including BMS/IoT/SCADA via the SIP+ product range.

Designed for receiving data from LoRaWAN devices utilising the LoRaWAN network.

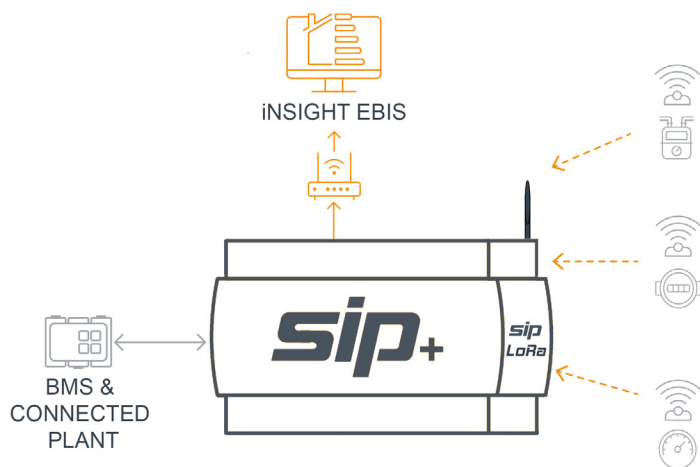
Installed with a SIP+ via the DIN Rail connector, which provides power and communications between the SIP+ and the installed SIPslice LoRaWAN device. The SIP+ requires the LoRaWAN driver, which includes decoders to read a predetermined list of available devices, with the functionality to add more LoRaWAN compatible devices as required. This is done by selecting a suitable licence for your application when ordering.

The SIPslice LoRaWAN is not compatible with third party gateway products or application servers, and does not support an independent Power supply. Maximum of one SIPslice LoRaWAN device per SIP+.



Key features:

- Enables communication from LoRaWAN enabled devices to Synapsys SIP+ devices*.
- Compatible with a large range of LoRaWAN enabled products such as meters, sensors, plant, etc.
- Eliminates field wiring from the BMS panel to the device saving time and money on installations.
- Set up and commissioning is simple, saving you additional time.
- No cloud network or application servers are required.
- Supports 8 channels via Europe's (868MHz) frequency.
- Small footprint with din rail mounting.
- Standard antenna included with option to purchase a high performance antenna and 10M cable.



SIPslice LoRaWAN product range

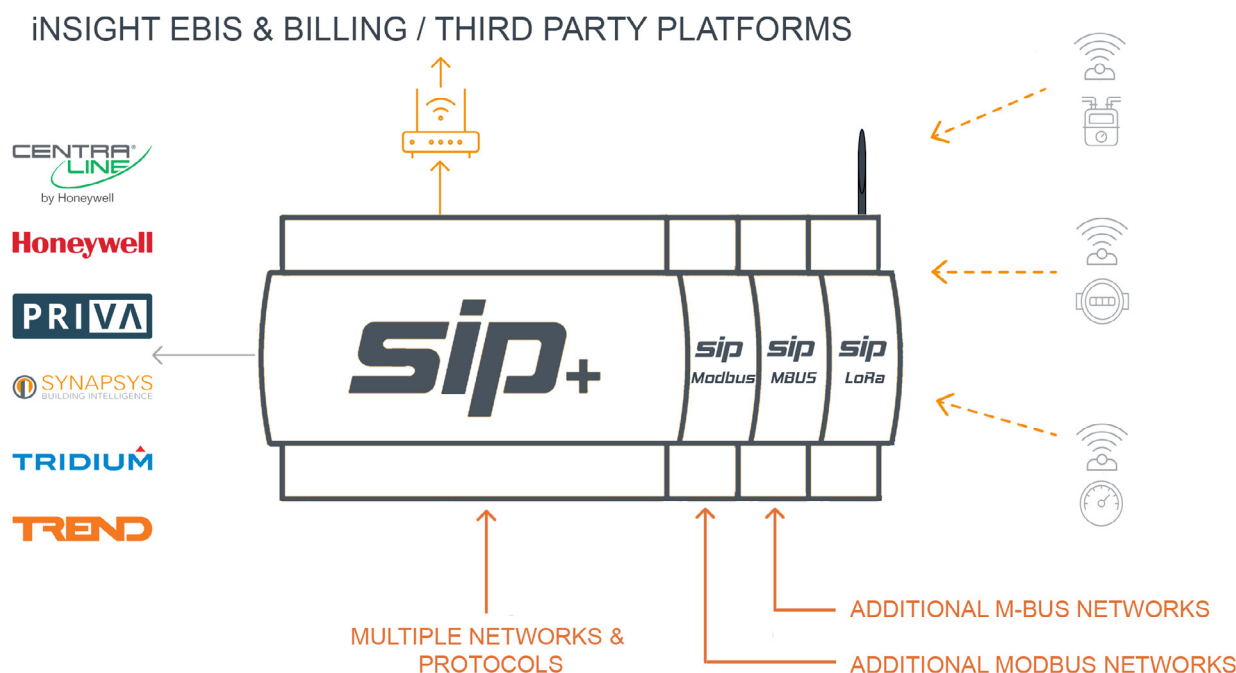
Part No.	Description
SYN+/LORA/CONV	SIPslice LoRaWAN device for use with a SIP+ to integrate LoRaWAN enabled devices.
LORA/3/LICENCE	Pre-loaded onto SIP+ Hardware as standard - Enabling up to 3 LoRaWAN device connections.
LORA/25/LICENCE	Licence upgrade for a SIP+ device which enables up to 25 LoRaWAN device connections. To be used in conjunction with a SYN+/LORA/Conv.
LORA/75/LICENCE	Licence upgrade for a SIP+ device which enables up to 75 LoRaWAN device connections. To be used in conjunction with a SYN+/LORA/Conv.
LORA/150/LICENCE	Licence upgrade for a SIP+ device which enables up to 150 LoRaWAN device connections. To be used in conjunction with a SYN+/LORA/Conv.

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Use your LoRaWAN network alongside wired networks

SIPslice LoRaWAN provides a straightforward way to bring LoRaWAN-enabled meters and sensors into any BMS, including - Tridium, Trend, Siemens, Schneider Electric, Distech, Centraline, Honeywell and more.



Our solution creates a flexible, multi-protocol integration platform that supports LoRaWAN in addition to all the protocols already available through SIP+ — including Modbus, M-Bus, BACnet, MQTT, REST, and many more.

Example LoRaWAN packaged solutions

Part No.	Description
SIP+/EMT-IF/50P/LORA25	SIPslice LoRaWAN with 25 device licence and SIP+ EMT with up to 50 input points for BMS Integration, Up to 50 EMT & CSV reporting points.
SIP+/EMT-IF/100P/LORA75	SIPslice LoRaWAN with 75 device licence and SIP+ EMT with up to 100 input points for BMS Integration, Up to 100 EMT & CSV reporting points.
SIP+/EMT-IF/1000P/LORA150	SIPslice LoRaWAN with 150 device licence and SIP+ EMT with up to 1000 input points for BMS Integration, Up to 250 EMT & CSV reporting points.

SIPslice LoRaWAN can be used with, or added to any SIP+ EMT/DATA device. Licence upgrades are also available for any existing SIP+ hardware installed on-site, enabling you to easily add LoRaWAN capability to your existing projects and installations.

Want to know more?

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

*Currently our solution supports read only, write functionality will be available soon.

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