

# PROCON MelcoSIP+ Mitsubishi interface solution

## Overview

The Procon MelcoSIP+ product range has been designed to expose values from devices connected to the Mitsubishi AC network, to a designate IP network range for compatibility with a BMS (BACnet or Trend), a SCADA system, and/or an IoT (MQTT/REST) platform.

Values from compatible M-Series, City Multi, Mr Slim, Lossnay, and Ecodan CAHV units communicating with the Mitsubishi AE200 controller are learnt, and selected in the Procon MelcoSIP+\*, and linked to relevant drivers for appropriate integration.

This allows appropriate controllers on the integration network/system to perform any control strategy necessary to optimise the performance of the site.



## PROCON MelcoSIP+ key features

- Max 4 x Melco Instances (1 per AC network)
- Max 50 units per AC network
- Max 5000 points from any compatible unit
- BMS compatible application
- IoT compatible application
- SCADA compatible application

## Hardware features

- Fire input port
- 2 x Ethernet Ports
- 1 x RS485 Port (ModBus Master connectivity)
- 1 x RS232 Port (ModBus Master connectivity)

## Supported protocols

- Mitsubishi AE200, EW50 and AG150
- BACnet/IP: Single BACnet network, BACnet Server, max. 100 BICs
- IoT: REST Server - Supports REST API
- IoT: MQTT - AWS, Microsoft Azure, Google IOT Core via third party Broker
- ModBus Slave: Single TCP/IP (3 x masters) or Serial driver (1 x master)
- vIQ: Single UDP Group, Trend LAN, max. 100 vIQ Out Stations

## Product codes

Part No.	Description
MELCO/SIP+/1AC/50	PROCON MelcoSIP+, 1 AC Driver, 50 compatible units
MELCO/SIP+/2AC/100	PROCON MelcoSIP+, 2 AC Drivers, 100 compatible units
MELCO/SIP+/3AC/150	PROCON MelcoSIP+, 3 AC Drivers, 150 compatible units
MELCO/SIP+/4AC/200	PROCON MelcoSIP+, 4 AC Drivers, 200 compatible units
PSU/24VDC/1A	24V DC 1A Power Supply

\*This product does not support QAHV and CAHV.

## PROCON MelcoSIP+ key benefits

- Easy selection of required point from device connected via Mitsubishi AE200/EW50/AG150
- Compatible with BMS/SCADA/IoT (MQTT/REST)
- Flexibility of integration

## Mitsubishi controller key benefits

- Consolidate control of up to 50 compatible units connected via the M-network
- Instant access to control functions via web browser

# PROCON MelcoSIP+ Mitsubishi interface solution

Synapsys have a number of standard enclosures available to suit your PROCON MelcoSIP+ Mitsubishi 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.

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



## Enclosures suited for PROCON MelcoSIP+ Solutions

Order code	Description	Price
SYN/ENCL/1U	Height: 200 / Width: 300 / Depth: 120	£550.00
SYN/ENCL/2U	Height: 500 / Width: 400 / Depth: 210	£600.00
SYN/ENCL/3U	Height: 500 / Width: 500 / Depth: 210	£650.00
SYN/ENCL/AE200	Height: 400 / Width: 500 / Depth: 210 + 25mm with AE200 Centralised controller mounted in door.	£650.00
Custom Enclosure	Custom enclosures available, contact us with your requirements	POA

## Enclosure guide

Enclosure	What hardware will fit?		
SYN/ENCL/1U	1 x PROCON MelcoSIP+	1 x PSU	1 x Switch
SYN/ENCL/2U	2 x PROCON MelcoSIP+	1 x PSU	1 x Switch
SYN/ENCL/3U	3 x PROCON MelcoSIP+	1 x PSU	1 x Switch
SYN/ENCL/AE200	1x PROCON MelcoSIP+   1 x AE200 Centralised Controller** mounted in door	1 x PSU	1 x Switch

\*\*Supplied by others.

For more information about Synapsys and our product range please visit [www.synapsys-solutions.com](http://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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Synapsys Solutions Ltd  
No. 1 Woodlands Court, Albert Drive,  
Burgess Hill, West Sussex, RH15 9TN

T: 01444 246 128  
E: [sales@synapsys-solutions.com](mailto:sales@synapsys-solutions.com)  
W. [www.synapsys-solutions.com](http://www.synapsys-solutions.com)

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