

Inspinia Mini Server

DIN-rail Controller

ORDER CODE

MNSRV

Inspinia Mini Server

AT A GLANCE

DIN rail TS35/7.5 or TS35/15

1000 UI objects · 2000 objects

300 BMS points licensed

24 V DC or Passive PoE

Max. 2.5 W

2 × Add-On ports



PRODUCT VIEWS



Rear · DIN clip

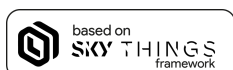


Side Profile

TECHNICAL SPECIFICATION

Hardware / Software	ARM A7 Single-Core 1.2 GHz / 128MB DDR3 Ram / 256MB Nand flash
	Linux 3.4 with Inspinia Application up to 1000 UI objects and 2000 objects
	Initial license: 300 BMS points / No HVAC (VRV/VRF) point
Display	1" OLED LCD Mono color
Power Supply	24VDC In or PPOE (Passive PoE)
	Power consumption max. 2.5W
Standard Interfaces	1x LAN RJ45 10/100Mbps interface
	2x Add-On Ports (Optional Interface Ports)
Optional Interfaces (Ref.)	KNX TP (A-KNX)
	Bticino (SCS) TP (A-SCS)
	iNELS Bus TP (A-iBUS)
	Galvanic isolated RS485 Modbus (A-GRS4)
	VRF mainline communication (A-VXX)
	Zigbee 3.0 (A-ZGB)
Working Temperature & Humidity	-10°C – +60°C
	5% – 90% at 25°C

CERTIFICATION & COMPATIBILITY



Bus and VRF compatibility is delivered by the optional Add-On modules listed above.

ORDERING

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PORTS & CONNECTIONS



TERMINAL LEGEND

- | | |
|--|--|
| <p>1 24V DC
+ · -
Power input</p> | <p>4 Add-On · Bus Port 2
A · B · C
Optional interface port</p> |
| <p>2 Ethernet
RJ45 10/100 Mbps
LAN / Passive PoE</p> | <p>5 LCD
1" OLED, mono
Status display</p> |
| <p>3 Add-On · Bus Port 1
A · B · C
Optional interface port</p> | |

PORT CONNECTION

Terminals 3 (Port 1) and 4 (Port 2) — VRV / VRF mainline communication.

BRAND	TERMINALS	COMM. LINE	IDU *	ODU *
 DAIKIN	F1 · F2 · —	D3 NET	64	16
Hisense  HITACHI	1 · 2 · —	TCC LINK	64	16
 LG	A · B · —	INTER A B / CEN A B	64	—
 MITSUBISHI ELECTRIC	M1 · M2 · —	M NET (TB3/7)	50	10
 MITSUBISHI HEAVY INDUSTRIES	A · B · —	SLINK I/II	64	—
Panasonic  SANYO	U1 · U2 · —	S3 NET	64	—
SAMSUNG	R1 · R2 · —	NASA	64	16
TOSHIBA	U1 · U2 · —	TCC LINK	64	—

*The functionality of Indoor Units (IDU) and Outdoor Units (ODU) is subject to the limitations set by the manufacturer. The VRV/VRF Add-Ons will consistently operate as the primary master central controller.

BUS CONNECTION

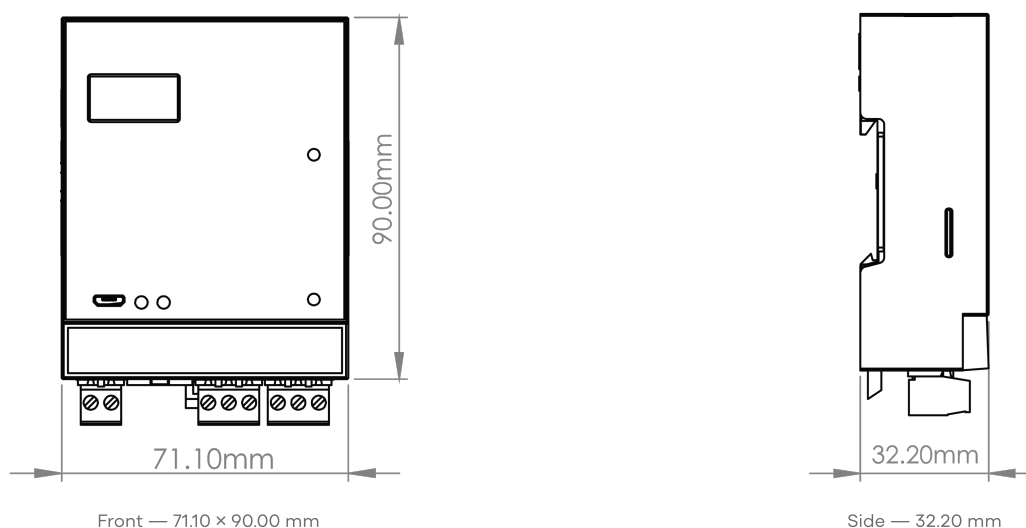
BUS	TERMINALS	COMMUNICATION
inels	+ · - · - · —	Inels Bus
 KNX	+ · - · - · —	KNX TP
 Modbus	A · B · G	RS485
 bticino	+ · - · - · —	SCS Bus

Bus connections use the same two Add-On ports, terminals 3 and 4.

CONFIGURATION

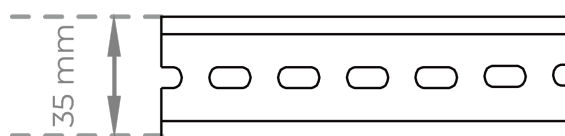
All configuration is performed through the local web interface or SkyPlatform.

DIMENSIONS



Front and side view. All dimensions in millimetres. Drawings not to scale.

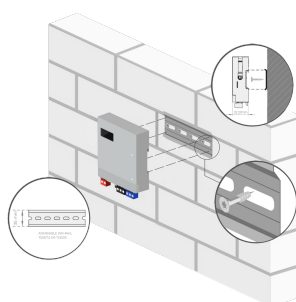
REQUIRED MOUNTING APPARATUS



ADMISSIBLE DIN-RAIL:
TS35/7.5 OR TS35/15

Standard DIN rail, front view (mm). Admissible DIN rail: TS35/7.5 or TS35/15.

MOUNTING



MOUNTING REQUIREMENTS

- Clips to a standard DIN rail — TS35/7.5 or TS35/15.
- Product size 71.10 × 90.00 × 32.20 mm.
- 24 V DC or Passive PoE supply. Power consumption max. 2.5 W.
- Operating range -10 °C to +60 °C, 5 % to 90 % at 25 °C.
- Two Add-On ports accept the optional interface modules listed on page 2.