



FS::BOX



# PRODUCT DATA SHEET

RF::FSBox – The Ultimate Simulation Solution for PROFINET & PROFIBUS Devices

## DESCRIPTION

The RF::FSBox enables seamless simulation of PROFINET and PROFIBUS devices, making it indistinguishable from real hardware for connected PLC controllers. Ideal for virtual commissioning, it simplifies testing and reduces effort by automatically deriving configurations from the PLC hardware setup. This plug-and-play solution optimizes workflows, minimizes risks, and accelerates project timelines.

## KEY FEATURES

- Full support of Siemens S7/TIA, Phoenix PC Worx, Phoenix PLCnext
- Protocols: PROFINET & PROFIBUS (PLC communication), HTTP (WebUI) and custom (RF::Suite data communication)
- Multiple PLC's BUS emulation
- Full support of PROFIsafe



## PRODUCT SPECIFICATIONS

|                |                                                                                 |
|----------------|---------------------------------------------------------------------------------|
| Product SKU:   | 7003709SSS                                                                      |
| HS Code:       | 84714100                                                                        |
| Chassis/Color: | Mini Cube - Black                                                               |
| Power Supply:  | 12V~24V DC-In Jack, External Power adapter 19V/90W                              |
| Motherboard:   | Intel® NUC Ultra 100 Series (Meteor Lake-H)                                     |
| Chipset:       | MCP                                                                             |
| Processor:     | Intel® Core™ Ultra processors (Meteor Lake-H) NUC BOX-125H (Ultra 5 125H, P+4E) |
| Graphic:       | Intel® Arc™ Graphics                                                            |
| Memory:        | Dual Channel DDR5 5600 MHz<br>Max. Capacity: 96GB (48GB per DIMM)               |
| Dimensions:    | 117.5 x 110.0 x 49mm (4.63" x 4.33" x 1.93")                                    |
| Weight:        | Net Weight, 1.0kg                                                               |



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## ADDITIONAL FEATURES

### Included Power Adapter:

1x 19V/90W (Core Ultra 5)

### FANs:

Active cooling (Fanned Barebone)

### Storage Options:

1x M.2 (Key M, 2242/2280) PCIe Gen4x4 for SSD

1x M.2 (Key M, 2242) PCIe Gen4x4 for SSD

1x SATA3 (6.0 Gb/s)

### Memory:

Dual Channel DDR5 5600 MHz

Max. Capacity: 96GB (48GB per DIMM)

Slots: 2x 262-pin SO-DIMM

### SATA onboard:

1x SATA3 (6.0 Gb/s)

### SSD M.2:

1x M.2 (Key M, 2242/2280)

PCIe Gen4x4 for SSD

1x M.2 (Key M, 2242)

PCIe Gen4x4 for SSD

### LAN onboard:

LAN1: Intel® I226LM

(10/100/1000/2500 Mbps)

LAN2: Intel® I226V

(10/100/1000/2500 Mbps)

### Connector:

2x RJ-45

### Expansion Slots:

1x M.2 Key E (Wi-Fi 6E 802.11ax + BT 5.3)



## PERIPHERY

### Supported Display Outputs:

2x HDMI 2.1 TMDS

1x DisplayPort 1.4/1.2

1x DisplayPort via Type-C

### Front I/O:

1x USB 3.2 Gen2 (Type-A)

1x USB4/Thunderbolt™ 4 (Supports DP 2.1 output)

1x USB 3.2 Gen2x2 (Type-C, Supports DP1.4 output)

1x Headphone & Microphone Jack

### Rear I/O:

2x HDMI 2.1 TMDS

2x 2.5 Gigabit LAN (RJ-45)

3x USB 3.2 Gen2 (Type-A)

1x DC-In (Power Connector)