

Cleartex

Cleartex Core PC

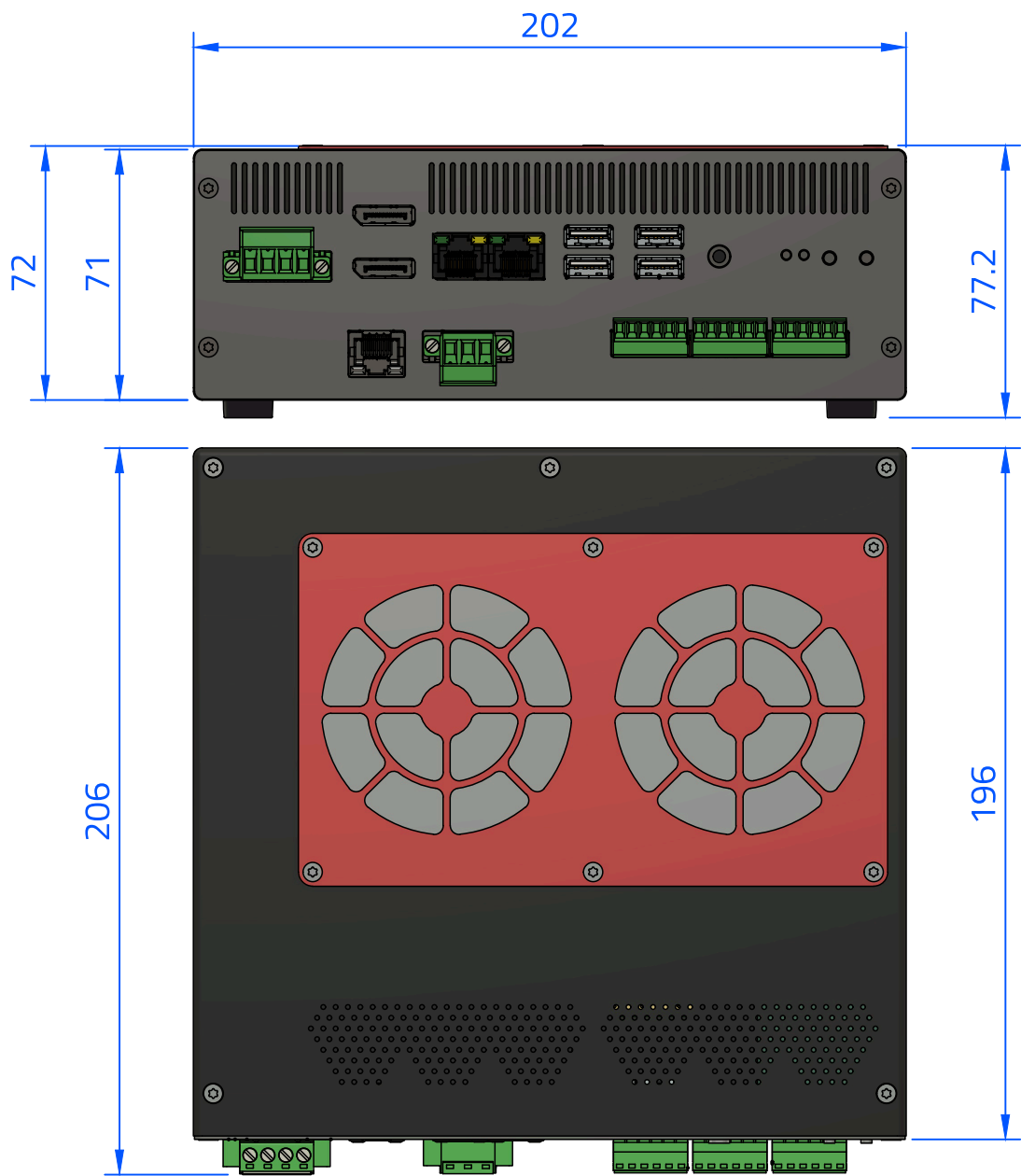
Technical datasheet



Technical data

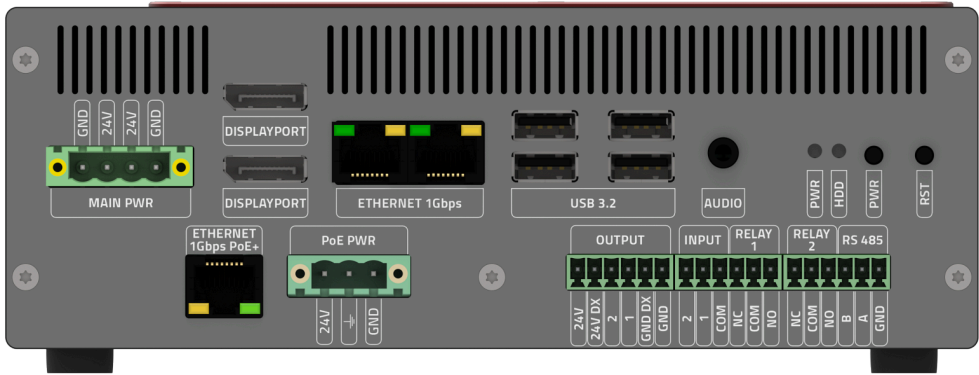
	Specification
	Main properties
Cooling	Integrated cooling fans. Air intake on top. Exhaust on front panel.
Operating system	Windows 11 (64-bit), Windows 10 (64-bit), Linux Ubuntu, Linux Mint, other Linux distributions
Operating temperature	0 to 60°C (non-condensing humidity)
Storage temperature	-20 to 80°C (non-condensing humidity)
Transport temperature	-20 to 80°C (non-condensing humidity)
Enclosure	Aluminium
Weight	3.15 kg
Mounting	DIN rail mounting, 6 possible positions
Power voltage	19-24 VDC, PSU rated 10 A recommended
Power consumption	Depending on processor option and load, power consumption ranges from approximately 100 to 140 W.
Lifetime	45000 h (max. temperature 45 °C)
	Dimensions
Width	202 mm
Depth	206 mm
Height	77.2 mm
	Controller
CPU	Option 1: Intel Core i3-14100, 4 cores up to 4.7GHz Option 2: Intel Core i5-14400, 10 cores (6P+4E) up to 4.7GHz Option 3: Intel Core i7-14700, 20 cores (8P+12E) up to 5.4GHz Option 4: Intel Core i9-14900, 24 cores (8P+16E) up to 5.8GHz Other options available (e.g. T-series low power variants)
RAM	16, 32 or 64 GB DDR5
Graphics	NVIDIA Quadro T1000, GDDR6 4GB
Interfaces	4×USB 3.2 Gen1 2×Gigabit Ethernet 1×PoE port (PoE+ 802.3at, up to 30 W) 2×DisplayPort 1×audio line-out optional I/O module (Inputs, outputs, advanced communication, etc.)
	Storage
HDD	256, 512 GB or 1 TB SSD

Dimensions

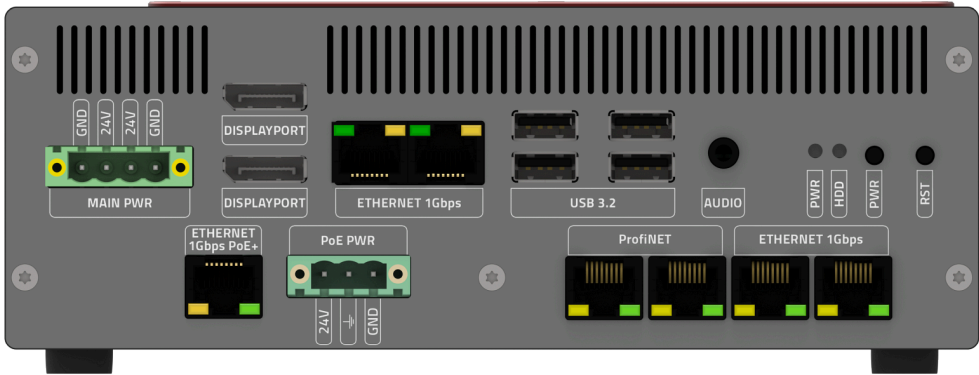


PC dimensions

Interfaces



PC interfaces (with IO-1 module)



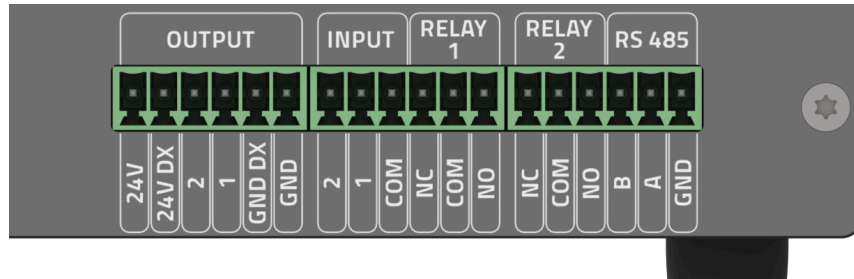
PC interfaces (with IO-2 module)

IO module options

Cleartex Core PC can be equipped with one of the following I/O modules. IO-1 is the default module.

IO-1 (DI, DO, relays, RS485)

Module have separate power, two inputs, two outputs, two relays and RS485 interface.



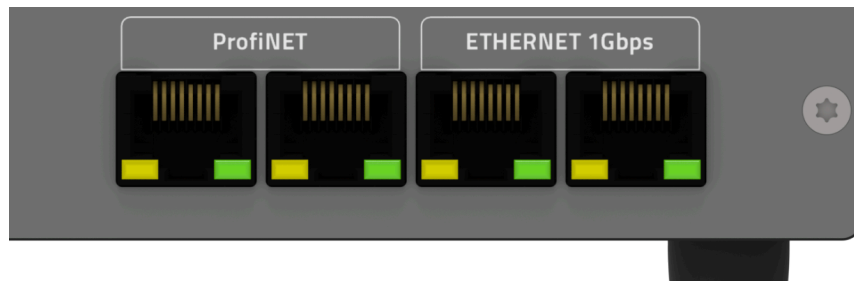
IO-1 - inputs, outputs, relays, RS485

I/O characteristics:

- **Outputs:** 24 V, 150 mA output current, configurable as PNP, NPN or PUSH-PULL
- **Inputs:** opto-isolated, maximum voltage 24 V
- **Relays:** maximum switching voltage and current 0.3 A at 125 VAC / 1 A at 30 VDC

IO-2 (ProfiNET, ethernet)

Module provides two ProfiNET and two 1 Gbps ethernet connectors.



IO-2 - profinet + ethernet

Ordering

Example ordering number:
CC-32G-i5.14400-512-001-W11

Breakdown:

