

Automation

Monitoring and control

Remote access and management

HVAC



Gate

Programmable Linux gateway and PLC

Unipi Gate – gateway / PLC

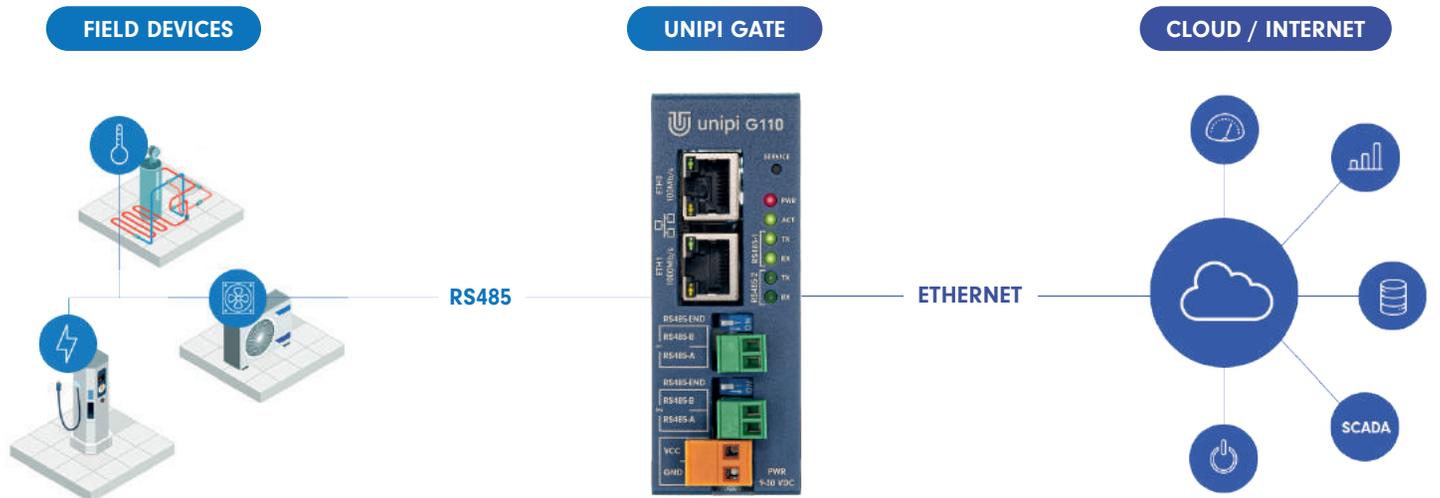
Model	Serial communication	Ethernet 1	Ethernet 2
Unipi Gate G100	1 × RS485	1 × 1 Gbit	1 × 100 Mbit
Unipi Gate G110	2 × RS485	1 × 1 Gbit	1 × 100 Mbit

Product features

- powerful quad-core 600MHz ARM A53 CPU featuring 1 GB RAM,
- onboard 16GB eMMC memory extendable using a microSD card,
- one or two RS485 serial interfaces (depending on the model),
- an option to use the gateway as a network switch or a node between two separate networks thanks to a pair of Ethernet ports,
- software openness, delivered with preinstalled Node-RED platform,
- compact size,
- durable aluminium chassis (IP20 protection),
- graphics customization of the chassis available as part of the OEM programme,
- install the gateway either to a DIN rail (multiple ways to fasten the DIN holder) or an electrical distribution box mounting plate.



Use cases



Commercial or industrial buildings often feature heating, ventilation and air conditioning systems able to communicate with control systems via RS485 serial interface. Connecting these devices to Unipi Gate gives the ability to read data and send them to cloud systems (internet) via Ethernet. This provides the building's owner with an option to remotely control and monitor the heating, ventilation and air conditioning in the building (e.g. via a web interface) and to optimize it based on analysing the aggregated data.

Thanks to its computing performance, software openness and compact size, the Unipi Gate is applicable in a wide variety of installations and projects:



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