

INDUSTRIAL ENERGY CONNECTIVITY

Site equipment data, sent directly to your own platform.

mini-OTG is a white-label DIN-rail gateway. It reads smart meters, EV chargers, PV inverters, batteries and heat pumps on site and sends their data to the MQTTS, WSS or HTTPS endpoint you configure.



1 · CONNECT

Open the local web server

From a laptop or phone on site. No mini-OTG account or installer app is needed.

2 · CONFIGURE

Enter your endpoint

Host, transport, topics or routes, payload mapping, credentials and TLS.

3 · VERIFY

Test the connections

Check the equipment and cloud links from the same page.

CONNECTIVITY	DESIGN TARGET
Field interfaces	P1 (RJ12), HAN (RJ45), isolated RS-485, Ethernet, Wi-Fi, dry-contact relay
Field protocols	DSMR, Modbus RTU/TCP, OCPP, EEBUS, SG Ready, supported UDP profiles
Upstream link	Ethernet first; Wi-Fi or 4G LTE cellular as configured, with failover policy
Cloud transports	MQTTs, secure WebSocket (WSS), HTTPS / REST to your endpoint
SOFTWARE	DESIGN TARGET
Configuration	Embedded local web server: profiles, endpoint, mapping, credentials
Buffering	Store-and-forward with original timestamps; ordered, duplicate-aware replay
Diagnostics	Equipment, fieldbus, network, gateway and endpoint faults reported separately
Security	Unique device identity, signed firmware, recoverable OTA
HARDWARE	STUDY, NOT FROZEN
Enclosure	DIN rail, 4 modules (DIN 43880 outline); dimensions not frozen
Ports	Top: Ethernet, HAN, P1 · Bottom: power, RS-485, relay terminals · Front: status LEDs, USB-C service
Supply / power	TBD: wide-range DC under evaluation
Environmental	TBD: industrial temperature range and enclosure rating
Certification	Not yet certified: RED / EMC / EN 18031 path planned

EQUIPMENT	INTERFACES
Smart meters	P1 / HAN, RS-485, IP
EV chargers	Modbus, OCPP, EEBUS
Solar inverters	RS-485, Ethernet, Wi-Fi
Battery storage	Modbus RTU/TCP
Heat pumps / HVAC	SG Ready, relays, Modbus
WHITE-LABEL	SCOPE
Branding	Gateway label, local interface, packaging, documentation
Provisioning	Factory endpoints, certificates and defaults per batch
Data model	Your topics, routes, payload schemas and profiles

No mandatory middle platform.

The gateway sends data directly to your endpoint. It needs no mini-OTG account and no second measurement-data cloud. The data, the customer and the control stay with you.

Design-partner evaluations are open.

Send us the equipment on site and the data format your platform expects.

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