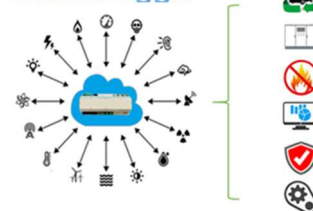


SMART GATEWAY



- High reliability
- Scalability and flexibility
- Expandable with additional modules
- Antennas available in kit
- Wide power supply range
- Extended temperature range
- High MTBF (Mean Time Between Failures)
- DIN rail kit included in the bundle

Monitoraggio



The Smart Gateway device is the result of R&D extensive experience and serves as the central collection point for all data coming from both IoT and IT environments. Its robust hardware platform ensures operational continuity even under harsh conditions, while the embedded operating system enables edge data processing, reducing both latency and cloud traffic. The wide range of interfaces and optional wireless connectivity ensures maximum flexibility for integration with sensors, machines, and enterprise management systems.

SMART GATEWAY		
PERFORMANCE	Processor	NXP i.MX6UL-2 (Cortex-A7)
	Clock speed	528 MHz
	Operating system	Linux
MEMORY	Flash/SD Card	8GB eMMC
	RAM	512MB DDR3
INTEGRATED CONNECTIVITY	Ethernet	1 x 10/100 Mbit
	Wi-Fi	802.11a/b/g/n/1x1 - integrated antenna
EXTERNAL CONNECTIVITY	PCI Express Mini Card 2.1	ONE slot - LTE module >= cat. 4 with fallback GPRS/UMTS on board antenna connector
TOP CONNECTOR	Ethernet	1 x RJ-45 (10/100 Mbit)
	USB	MiniUsb type «B» (covered with IP55)
	External Storage	microSD, on-board 4 GB eMMC flash for data storage (optional 8 GB)
INPUT CONNECTOR	RS-485/RS-422/RS-232	1 RS-485
	Dual CAN	1x1
	1-Wire	Optional
	GPIO	selectable digital input
SUPPORTED PROTOCOLS		SNMP
		HTTP/HTTPS (MQTT, JSON/REST...)
		Modbus TCP/IP
		Modbus RTU
INTEGRATED PROBE	Type	Temperature and humidity sensor included in or integrated into the enclosure.
	Humidity	0-100%RH
	Accuracy	±3%
	Resolution	0,1%RH
	Temperature	-20 / +80°C
	Accuracy	±0,5°C
	Resolution	0,1°C

INPUT POWER	VAC	230V/50Hz with integrated rechargeable lithium backup battery, providing 3 hours of autonomy.
OPERATING CONDITIONS	°C	-20 to +70
	%	5~95% (non-condensing)
ENCLOSURE		The SMART Gateway must be supplied housed inside a dedicated DIN rail-mounted enclosure.
ANTENNA	LTE	External, with installation kit included
CONSUMO	Watt	<10

PowerMe reserves the right to modify technical specifications without prior notice.

PowerME recommends the use of energy-efficient and environmentally friendly solutions, when used correctly and in accordance with the specifications stated in the technical data sheets and user manuals. Warranty coverage is subject to proper usage as described in those documents.

PowerME also recommends compliance with all applicable regulations and safety standards regarding professional qualifications and workplace safety during installation, commissioning, and maintenance of the provided technological solutions.