

INDUSTRIAL GATEWAY



- High reliability
- Scalability and flexibility
- Capability to connect external modules
- Antennas included in the kit
- Wide power supply range
- Extended temperature range
- High MTBF > 450kh
- DIN rail kit included in the bundle

Monitoraggio



The Industrial 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.

INDUSTRIAL GATEWAY	
Processor	Quad-core Cortex-A72 1.5 GHz Processor
RAM memory	4 GB LPDDR4-3200 SDRAM
eMMC flash memory	64GB eMMC flash
Operating System	Linux Ubuntu 22
Real Time Clock	RTC, 240-byte SRAM, Watch Dog Timer
Ethernet interfaces	3 ETH (RJ45 Connector)
Serial ports	2 x RS-232 2 x RS-485
USB ports	2x USB 2.0 Host 1x mUSB-OTG
INPUTS / OUTPUTS	
Digital Inputs	16 x DI (Opto-Isolated) 4 x DI (Dry Contact)
Digital Outputs	4 x DO (Open Drain Outputs)
Analog Inputs	Optional
Analog Output	Optional
CAN Bus	1 x CAN BUS
WIRELESS COMMUNICATION	
LTE modem	LTE CAT-4 modem (e-sim supported)
WIFI module	WIFI (IEEE 802.11b/g/n/ac 2,4/5 GHz)
Bluetooth	5.0 Integrated
Lora Wan	RAK5146 or equivalent
ZigBee Modem	Supported, with external antenna
NB-LTE/CATM1/GPRS	Supported
OPTIONAL FEATURES	
Expansion SSD Drive	SSD NVMe SSD Drive up to 256GB
Expansion Slot	SD Card Slot
Exp Card Ports	1x I2C 1x SPI
Ex Card Ethernet	Extra Ethernet Interface Card
Ex Card I/O	8/16/32 opto isolated I/O expansion cards

MECHANICAL AND POWER PARAMETERS	
Dimensions	91 x 213 x 61 mm
Weight	450g
Casing	ABS, DIN Rail Mounting
Cooling	Passive (Internal)
Power Supply	9 ~ 30 V DC with: external DIN Rail isolated AC/DC (CE marked) for outdoor externalDIN Rail isolated DC/DC (CE marked) for indoor 48VDC integrated on PCB
Consumption	7 ~ 25W (depending on configuration)
OPERATING AND STORAGE CONDITIONS	
Temperature	-20 ~ +70°C
Humidity	5 ~ 95% RH (no condensation)

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.