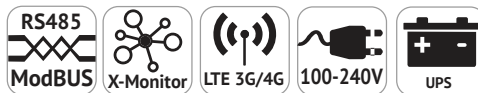


KET-RKM-100



Smart supervisor for rack Master wireless with LTE modem version

- Up to 7 Inputs for temperature probes
- 4 Inputs for smoke sensors, flooding and door opening
- Modem LTE 4G
- RS485 Modbus Master manages up to 8 power meters

APPLICATIONS

Data Centers and Telephone Centers

VERSIONS

KET-RKM-110	Smart supervisor for wireless Master version rack cabinets with NB-IoT modem
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NECESSARY ACCESSORIES

KET-RKE-032	Industrial extension 32 A with single-phase ModBUS Power Meter
KET-RKE-063	Industrial extension 63 A with Three-phase power meter MosBUS
KET-RKY-100	Cable UTP 5e certified RJ12 / RJ45

ACCESSORIES

KET-RKD-032.88	Vertical Rack PDU
KET-RKA-100	Anti-flooding detector
KET-RKF-100	Smoke / fire detector
KET-RKP-100	Rack door opening sensor with magnet included
KET-RKT-100	Temperature sensor NTC
KET-RKT-104	4 pre-spaced NTC temperature sensors



MORE ONLINE CONTENT

The KET-RKM-100 is a rack monitoring system designed to monitor all basic rack parameters. The system allows monitoring of rack internal temperatures and PDU consumption. It also has dedicated inputs for smoke, flood and door opening sensors.

Thanks to X-Monitor technology, each rack can be monitored by a slave unit connected to a single master unit via radio and/or RS485.

The master unit can be configured to send data to external platforms using internal LTE 4G, GPRS, Narrow Band modems or via Ethernet.

Equipped with dual 100-240 VAC power supply and **supercapacitor** to operate even in the absence of power for the time necessary to send the acoustic signal to the alarm.

Internal Flash memory 256 Kb, F-RAM and RTC for data protection.

It is also equipped with an **infrared door opening sensor** and temperature and relative humidity sensors to check the status of the device itself.

TECHNICAL FEATURES

CASE	Dimensions: 434 x 40 x 203 mm (W x H x D) Mounting: Inside racks 19" Material: Case, 19", ABS, 1U, Black
POWER SUPPLY	Supply Voltage: Dual 100 ÷ 240 VAC Connectors types: Type C14 input connector, panel protection fuses on the back of the case and removable connectors on the PCB
UPS	Battery Type: Supercapacitor to allow the sending of the alarm for power interruption
DATALOGGER FUNCTION	Memory Type: Flash 256 Kb Data Storage Capacity: F-RAM e RTC
PROCESSORS	Processor Type: System CPU Micro Atmel ATSAMD21J17A-MU; Radio CPU Micro Atmel XMEGA256K / XMEGA384K
RS485 INTERFACE	Supported Protocols: Master ModBus conveys up to 8 power meters Connectors types: 1 RJ12 (6P6C)
DIGITAL INPUTS	Digital Inputs: 4 inputs with automatic presence and sensor type detection, 12 VDC power supply, 4P4C modular connectors
ANALOG INPUTS	Analog Inputs: Up to 7 inputs for NTC 10K type temperature probes with RJ45 connectors
RADIO MODULE	Supported Protocols: X-Monitor Protocol (X-MP) / IEEE 802.15.4 / ZigBee™ Pro 2.0 Radio Frequency: 2.4 GHz Output Power: +3 ÷ +20 dBm Sensitivity: -104 dBm Antenna Type: RPSMA connector, 90° antenna supplied Max Distance (Free Air): Over 1000 m
MODEM	Supported Protocols: LTE 4G SIM Type: Mini-SIM
TEMPERATURE SENSOR	Measure Range: -40 ÷ +123.8 °C Precision: ±0.4 ÷ 25 °C Repeatability: ±0.1 °C Resolution: ±0.01 °C
HUMIDITY SENSOR	Measure Range: 0 ÷ 100% RH Precision: ±3% RH da 20 a 80% RH Repeatability: ±0.1% RH Resolution: ±0.03% RH Hysteresis: ±1% RH Long Period Stability: <0.5% RH/year

