

RMC-1216 • Controller • Gateway • Aggregator

KEEP YOUR CRITICAL OPERATIONS RUNNING EFFICIENTLY

RMC-1216 Capabilities

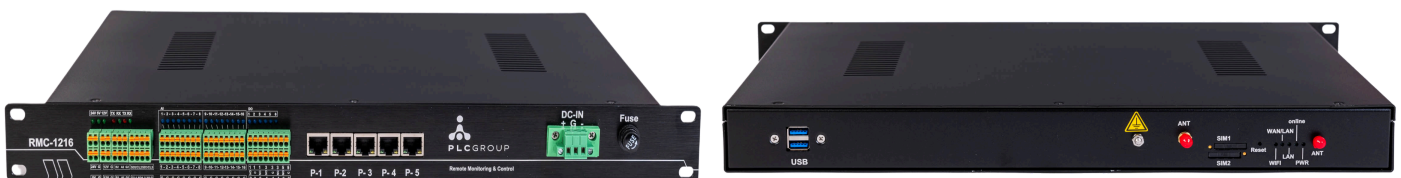
RMC-1216 is PLC Group's Controller that offers a one-stop solution for monitoring and control needs for ICT infrastructure like Telecom (RBS) sites, Cable Landing Stations, and Edge Data Centers. Some of the capabilities of RMC-1216 Universal Controllers are:

- Remote Monitoring & Control of Smart and Legacy power infrastructure elements.
- Generator, Fuel, Battery, Cooling systems monitoring and controls.
- Integration with intelligent elements (DC Plant, Generator, Batteries, ATS, Energy Meters, Solar System) via Modbus (RTU/TCP), UDP & SNMP.
- Edge Computing & Edge Control functions.
- Dual SIM and IP Backhaul.

PLC Group's Remote Monitoring and Control Hardware Portfolio

PLC Group offers an extensive portfolio of fixed and modular controllers, IoT gateways, and sensors for remote visibility and control of critical infrastructure elements. PLC Group's range of products includes various gateways and controllers with diverse combinations of IP ports, mounting types, displays, edge computing capabilities, and other features.

PLC Group's products are vendor-neutral and seamlessly integrate with existing infrastructure elements such as DC plant batteries, generators, HVAC systems, tower lights, and more. With this integration, users can monitor and control these elements over 5G/4G/3G Wi-Fi, Ethernet, and using protocols such as Modbus, CAN bus, UDP and SNMP.



RMC-1216 Features

Processing & Memory

Processor	ARM Cortex-A72 clocked
Processing Speed	1.8 GHz
RAM	4 GB LPDDR4
Storage Space	8 GB (Expandable up to 16/32 GB)
Operating System	Linux Distribution: Debian (Version: Buster)
Storage	Flash

Power Requirements

Input Voltage	18 to 72 VDC
Nominal Power Consumption	15 W
Fuse/Breaker Rating	5 Amp
Operating Temperature	-20°C to 55°C

Interfaces & Ports

RS-485 Ports	2
USB Interfaces	2
Universal Inputs	16 (0-5V, 0-10V, 4-20mA, Dry Contact, Temperature, Pulse Count)
Digital Output Relays	6
RJ45 IP Ports	5 x 10/100 Mbps IP/Ethernet Ports

Networking and Connectivity

Communication Protocols	SNMP v1, v2c, v3, Modbus RTU/TCP, TCP/UDP, SMTP, HTTP/HTTPS, MQTT, NTP, Telnet, ICMP, SSH, DHCP, DNS
LTE Modem	Yes (3G, 4G, 5G)
Cellular Network Connectivity	Dual SIM card slots
WiFi	Wi-Fi (IEEE 802.11 b/g/n) (optional)
Wi-Fi Hotspot	Optional

Software Features

Security Features Password, SSL, SNMP v3, Radius, VPN

Remote Software & Firmware Upgrades Yes

Remote VPN Access

- Wire Guard
- VPN

Cloud Integration Yes

Physical Features

Enclosure Metallic Body

Mounting 1U 19" rack mount

Shipping Weight 1.90 kg / 4.3 lb

**Dimensions (HxWxD)
mm / in** (44 x 482.6 x 256) mm / (1.7 x 19 x 10.07) in

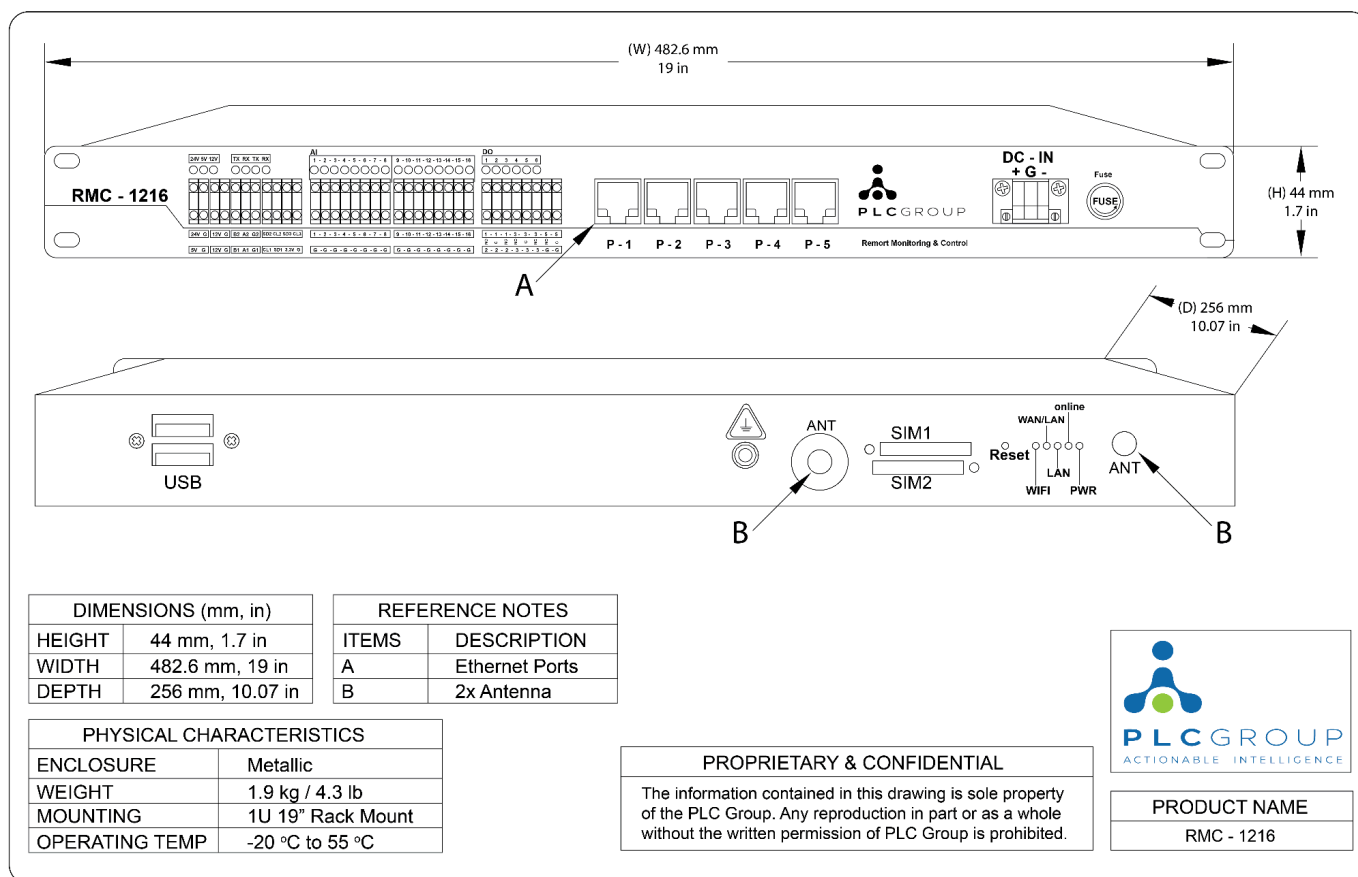
HMI (Human Machine Interface) Yes (Optional)

Unit LEDs

- Power
- Online
- LAN
- WAN/LAN
- Wi-Fi
- Reset
- 29 LED's on RMC-1216 Front Panel (7 x LED's for Voltage and Signals Ports, 16 x LED's for Universal Inputs and 6 x LED's for Relays)



RMC-1216 Physical Dimensions



DIMENSIONS (mm, in)	
HEIGHT	44 mm, 1.7 in
WIDTH	482.6 mm, 19 in
DEPTH	256 mm, 10.07 in

REFERENCE NOTES	
ITEMS	DESCRIPTION
A	Ethernet Ports
B	2x Antenna

PHYSICAL CHARACTERISTICS	
ENCLOSURE	Metallic
WEIGHT	1.9 kg / 4.3 lb
MOUNTING	1U 19" Rack Mount
OPERATING TEMP	-20 °C to 55 °C

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PRODUCT NAME
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