

MP-8PC-GEN2

8 Ports DC Power Controller with Sensors



Product Overview

The MP-8PC-GEN2 is an 8-port DC power controller designed for power control, real-time electrical monitoring and environmental sensor management. It accepts 110–250 V AC input and provides selectable 5 V, 12 V, 18 V or 24 V DC output per port. Control is available through front-panel buttons, RS-232 and Web-GUI, with TCP/IP network connectivity.

Key Features

8 individually controllable DC output ports • Selectable 5 V / 12 V / 18 V / 24 V output per port • Up to 36 W per port; maximum 30 W at 5 V • Voltage, current and power-consumption metering • Two TCP/IP network ports • Web-GUI, RS-232 and button control • Environmental sensor support • Overload and wiring-error protection • Supports SNMP, Telnet, MQTT, SSH and Modbus TCP

Technical Specifications

Specification	Details
Model	MP-8PC-GEN2
Product Type	8 Ports DC Power Controller with Sensors
AC Input Voltage	110–250 V AC
Input Frequency	50/60 Hz
Input Connector	1 × IEC C14
DC Output Voltage	5 V / 12 V / 18 V / 24 V
Output Power	Up to 36 W per port
Maximum Power at 5 V	30 W per port
Output Connectors	8 × 2-pin Phoenix terminals
Control Methods	Buttons, Web-GUI, RS-232
Network Ports	2 × RJ45
RS-232 Connector	1 × 3-pin Phoenix terminal
Sensor Ports	2 × RJ45
Input Current Range	0–10 A
Frequency Range	45–65 Hz
Power Factor	0–1
Operating Temperature	-5°C to +55°C
Storage Temperature	-20°C to +70°C
Relative Humidity	0–80%

Specification	Details
Standby Power Consumption	1.9 W
Dimensions (W × H × D)	436.4 × 44 × 245 mm
Net Weight	3.14 kg

Network & Sensor Support

Network protocols: SNMP, Telnet, MQTT, SSH and Modbus TCP.

Sensor protocols: 1-Wire, I²C, Modbus-RTU-RS485, Door and Relay Switch.

Sensor types: Temperature, Humidity, Temperature & Humidity, Air Pressure, Other Data, Normally Open and Normally Close.

Protection & Control

Configurable overload response includes Outlet Shutdown, System Shutdown and Auto-Retry. Individual outlets support configurable power-on, power-off and restart delays.

Package Contents

1 × MP-8PC-GEN2; 1 × RS-232 cable; 1 × Power cable (AU/EU/UK/US); 2 × Mounting ears with 6 screws; 4 × Mounting feet with 4 screws; 8 × 2-pin Phoenix male plugs; 1 × User manual.

Source: MP-8PC-GEN2 User Manual, Version MP-8PC-GEN2_2026V1.0. Specifications and features are reproduced from the supplied manual.