

PMA-1000

Power Management Adapter

Power management device for digital cinema



“ The GDC PMA-1000 is a power management device designed especially for theatre projection rooms. It provides intelligent power supply management for theatre equipment, giving exhibitors the means to achieve a completely unmanned projection framework.

- Retrofit installation means zero interference with the existing power supply system, making seamless integration possible for theatres under construction or currently in operation.
- Intelligent power supply management system monitors and controls power routed to a range of theatre equipment, including projectors, servers, audio systems and luminance equipment.
- Together with Theatre Management System (TMS) and Quality Management System (QMS), unmanned projection can be achieved, based on the foundation of automated projection. ”

Key Benefits

1

Compact and Lightweight

Suitable for even the most compact equipment rooms, the aluminum chassis of the PMA-1000 allows for a small and lightweight form factor, minimizing the requisite wall space and reducing limitations on wall material during installation and integration.

2

Network Control

The PMA-1000 supports both UDP and TCP network protocols, giving users the means to gain direct remote access through the GDC TMS or other network management platforms with UDP or TCP support.

3

Fault Detection

With built-in power supply failure detection, the PMA-1000 provides instant power supply updates for connected equipment, enabling users to quickly and accurately pinpoint the origin of fault.

4

Plug and Play

The PMA-1000's plug-and-play fast wiring design eliminates tedious wiring work, simplifying installation and allowing for rapid replacement maintenance through a detachable bottom panel.

5

Secure Operation

The PMA-1000's control panel features 8 sets of LED control buttons and 1 unlock button. The LEDs provide indication of the power supply status of connected equipment, while the control buttons manage their respective power supply. To protect against mistaken operation, each control button will not function unless it is pressed concurrently with the unlock button.

Technical Specifications

Physical

Dimensions 470 (W) x 125 (D) x 455 (H) mm
Weight 7.2 kg

Environmental

Operating Temperature 0 - 45°C
Operating Humidity 20 - 90%, non-condensing
Maximum Operating Altitude 2,000m

Power

Power Requirement 100 - 240V, 60/50Hz, 0.5A
Maximum Power Consumption 30W

Power Loading

Single Projector Set-up

Type of Power Supply	Rated Voltage	Rated Current	Number of Power Circuits
Single-phase	220V	13A	4
Single-phase	220V	60A	2
Three-phase	380V	10A	2

Dual Projector Set-up

Type of Power Supply	Rated Voltage	Rated Current	Number of Power Circuits
Single-phase	220V	13A	3
Single-phase	220V	60A	3
Three-phase	380V	10A	2

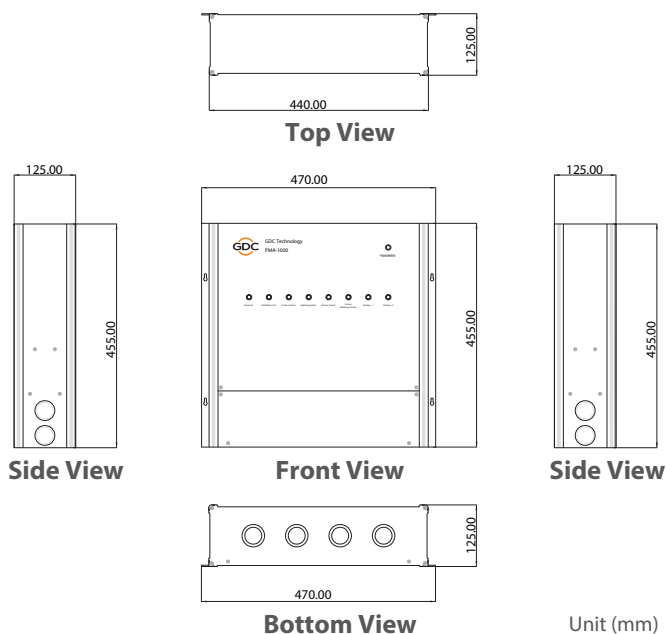
Control

Control Panel Buttons 8
Button LED Indicator Support
Safety Lock Button Support
Network Control Support

Communication

Network Protocol UDP, TCP

Technical Drawing



PMA-1000 System Configuration

