LOGIC Wall Panel 16-port

PRODUCT OVERVIEW

The Logic Wall Panel 16-port is designed to feed power and control remote fixtures using the POE latest standard IEEE 802.3 bt (power over Ethernet) and TCP/IP for control. It is equipped with 16 output ports and will support a maximum of 92.5 W/port. The Wall Panel can be expanded up to 32-ports using the 8-port expansion kits. The Wall Panel 16-port includes one LOGIC Wall Con, which is a single gang wall controller that can recall up to 8 recorded scenes from the Wall Panel. Additional Wall Cons may be added to the system, up to 32 pcs on a single controller to have multiple control locations. The Wall Panel supports DMX, Art-Net, and sACN control protocols, and includes an integrated webserver to configure the date/time settings, which are used in the daily/calendar trigger. An integrated REST API is available for integration to use for custom control interfaces such as touchscreen control. The Wall Panel is supported by the Q-sys system.

CONSTRUCTION & PHYSICAL SPECIFICATIONS

- Weight: 75 lb (34 kg)
- Fixture Color: Black
- Housing Material: Stamped steel
- Mounting Options: 20U Rack Mount, ¼ in 3/8 in, 5/16 in screws/bolts

CONTROL SPECIFICATIONS

- Control Protocol: USITT DMX-512a, Art-Net, sACN, RDM, Art-RDM
- Operating Modes: Selectable in connected fixtures
- Standalone Control: Yes
- Fixture setup: Display, RDM, Art-RDM (Artistic License DMX Workshop)
- 3rd Party Integrations Supported: Q-Sys, REST API
- Data Connection:
    - Device Data Input: 1 Ethernet (RJ45) and 1 (5-pin) Phoenix connector
    - Device output support: POE++, IEEE 802.3 bt, type 4, up to class 8
    - Device Data throughout: 1 Ethernet (RJ45) and 1 (5-pin) Phoenix connector
    - Wired remote input: 2 RJ-12 (6-conductor, non-standard termination)
    - Wired remote output voltage: 12 VDC

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ELECTRICAL SYSTEM SPECIFICATIONS

- Input Voltage: 200 to 240 VAC, 50/60 Hz (auto-ranging)
- Power and Current (maximum):
    - 4000 W, 19.23 A @ 208 V
    - 4000 W, 17.39 A @ 230 V
    - 4000 W, 16.66 A @ 240 V
- Output port power rating: 92.5 W per port
- Output port voltage (POE): 55.6 VDC
- Power Supply: Electronic internal
- Dimmer: Electronic
- Power Linking: N/A
- Power Connection: Hardwired, panel knockout
- Knockout sizes available: 2 inch, 1 ¾ inch, 1 ½ inch, 1 ¼ inch, 1 inch
- Power/Data Connection:
    - RJ45 In/Thru Control (2)
    - RJ45 Out POE (16 loaded, expandable up to 32)
    - Phoenix Out DMX/RDM (2)
    - RJ12 In WALLCON (1)
- Recommended Power Cable: 3 x 10 AWG
- Required Cable Specifications
    - Cable type: CAT6/A, shielded
    - Conductor Diameter: ≥23 AWG (≥0.5733 mm)
    - Conductor Material: Solid Bare Copper Wire (stranded not supported)
    - Cable plug: RJ45, CAT6/A, Shielded
    - Cable Termination: T568B standard
- Cable Length(s) Supported:
    - Total Max Cable Length (Drive to first fixture): ≤100 m / 328 ft
    - Total Max Cable Length (Drive to last fixture): ≤140 m / 460 ft
    - Total Max Cable Length (first fixture to last fixture): ≤40 m / 131 ft
- Recommended Ethernet Cable for POE connections (or equivalent): Belden 2413F, 2412F

THERMAL SPECIFICATIONS

- Cooling: Fan-assisted convection
- Operating Temperature Range: -4 °F to 113 °F (-20 °C to 45 °C)
- Maximum Surface Temperature: 158 °F (70° C)
- Minimum Distance to Flammable Surface: 11.8 in (0.3 m) BTU (max, typical): 10,918 BTU/hr

REGULATORY & VOLUNTARY QUALIFICATION

- CE, MET, FCC, ROHS
- MET Listing Number: E115166
- US Safety: UL 2108, UL 1598A
- Canadian Safety : CSA-C22.2 No. 250.2
- Environment: Dry location, IP20
    - Please refer to the User Manual for more detailed information on installation.
- Warranty: 36-month manufacturer's limited warranty (for covered regions only)
- Installation Orientation: Vertical only

ACCESSORIES

- Required: RDM Device
- Included: 1 LOGICWALLCON, 4 rack ear brackets, 1 front door access panel key
- Optional: LOGIC Wall Con (additional, up to 31 additional), Logic WP EXPANDKIT8

BATTERY SPECIFICATIONS

- Battery model #: CR2023
- Battery type: Lithium
- Quantity of cells: 1 cell
- Rechargeable: No
- Coin/Button Battery: Yes
- Battery Power: 3 VDC

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