



DESCRIPTION

Intelligent Power & Network Control for 2inspire.

Purpose-built to power and control the Chroma-Q® 2inspire™ 100, 200, and 300, the 2inspire™ PSE 24-Port PoE BT Rackmount combines high-density PoE power, Ethernet data distribution, and integrated emergency system support in a compact 1U format.

Designed specifically for professional lighting environments, this robust Power Sourcing Equipment (PSE) unit provides up to 90W per port across 24 PoE BT outputs while seamlessly distributing Art-Net or sACN control data.

For emergency lighting integration, the PSE features a built-in dry contact alarm trigger and **includes a power detection device** for connection to the building's emergency power system. Together, these features allow the PSE to detect an emergency power condition and automatically trigger connected 2inspire™ fixtures into their configured emergency state, supporting UL924-compliant installations.

Whether installed in architectural racks, performance venues, houses of worship, or other permanent installations, the 2inspire™ PSE provides dependable power, intelligent network control, and emergency lighting integration in one streamlined solution.

FEATURES

- **24 x PoE BT Outputs (IEEE 802.3bt Type 4)**
Each port delivers up to 90W for high-power PoE lighting fixtures.
- **High Total Power Budget**
Up to 1440W @ 100–120V
Up to 2000W @ 200–250V
- **Integrated UL924 Emergency Interface**
Built-in dry contact closure input enables integration with fire alarm and emergency systems and automatically triggers connected fixtures into their configured emergency state when required.
- **Power Detection Device Included**
Supplied with a power detection device for connection to the building's emergency power system, providing automatic emergency triggering when an emergency power condition is detected.
- **Purpose-Built for 2inspire™ Fixtures**
Optimized for reliable power delivery and seamless Art-Net / sACN data distribution to Chroma-Q® 2inspire™ 100, 200, and 300 fixtures.
- **Compact 1U Rackmount Design**
Centralizes fixture power, network data, and emergency system integration in a standard 19-inch rack.

ORDERING INFORMATION

CQ1504-1024:	2inspire Power Supply Ethernet 24 x 90W output
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PHYSICAL

Dimensions (l x h x w)	483mm x 419mm x 31.75mm 19" x 16.5" x 1.25"
Weight	6.7kg / 15.3lb
Shipping dimensions	565mm x 500mm x 175mm 22.24" x 19.69" x 6.89"
Shipping weight	9.95kg / 21.94lb
Mounting points	19" rackmount with 2 rear support
Construction	Powder coated aluminum and steel
Colour (RAL)	Black RAL 9005
IP rating	IP20
Idle sound level	Background noise + 2 db
Cooling system	Forced air
Max surface temp	Ta=26°C: (54°C, 130°F)
Operating temperature	0°C to 40°C (32°F to 104°F)
Total heat dissipation	Up to 700 BTU/hr

POWER

Power supply:	Built-in, multi-voltage
Power input rating:	100-240V AC 50-60Hz
Power factor:	1440VA at 120V 2000VA at 220V
Power consumption:	100-250V AC 1440W @120V 2000W @200-250V
Idle power consumption:	27W @ 120V AC 30W @ 230V AC
Earth leakage	0.18mA
Inrush current	up to 80A @120 VAC
Typical power & current:	Measurements done with all LEDs at maximum intensity. Measurements made at nominal voltage. Allow for a deviations of +/- 10%

CONNECTIONS

Power connectors in	Neutrik powerCON TRUE1 in
Data connectors in	2 Ethernet front 1 Ethernet back 24 Ethernet PoE front

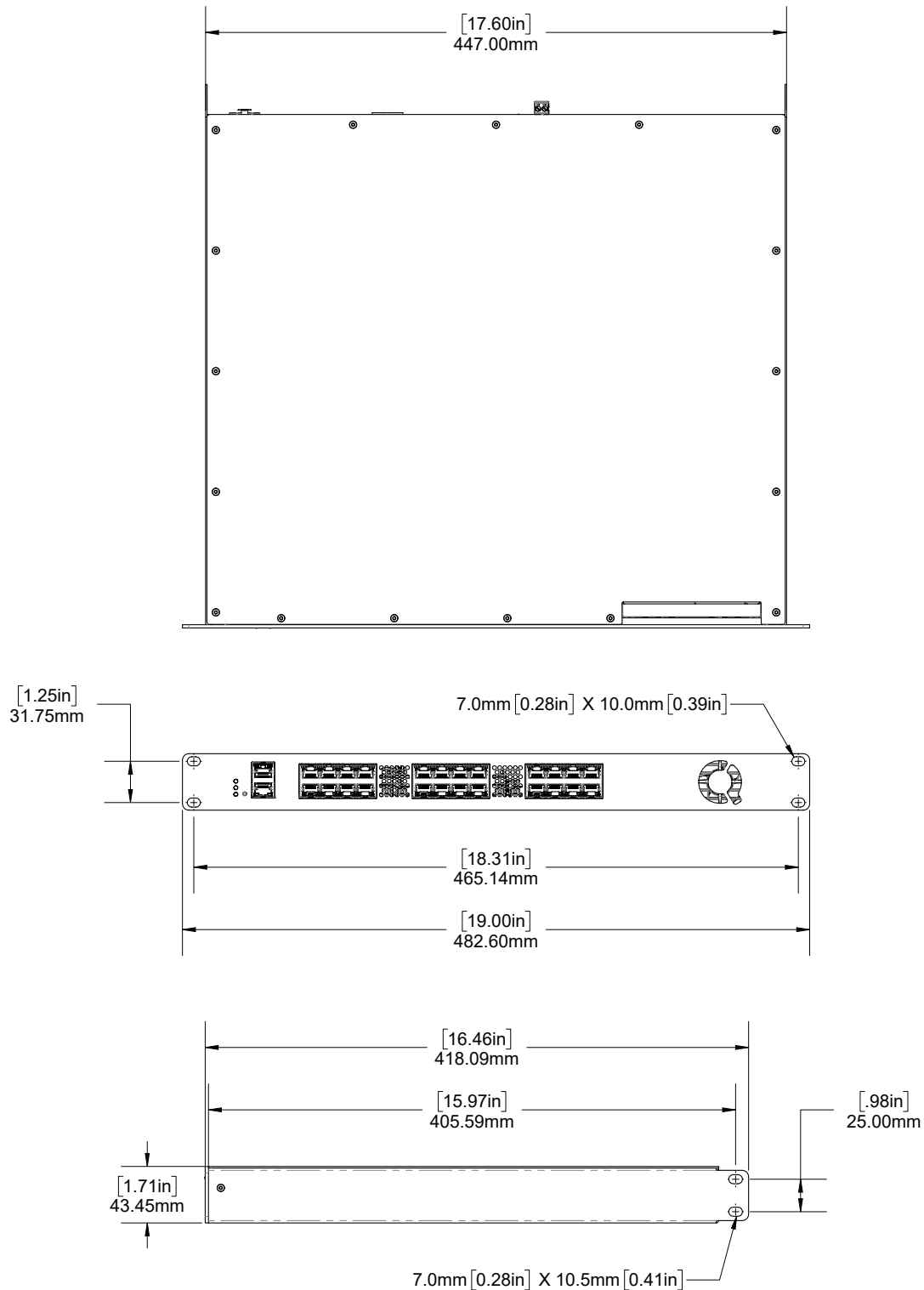
FUNCTIONALITIES

Number of outputs	24 PoE up to 90W per port
Alarm trigger	1 contact closure Includes a power failure detection device

APPROVALS

Approvals:	CISPR 32:2015 / EN 55032:2015, CISPR 24:2010/EN 55024:2010, IEC 60598-2-17:1984 + A1:1987+A2:1990 used in conjunction with IEC 60598-1: 2008 (Seventh Edition) FCC Part 15 Subpart B:2015 & ICES-003:2016 CSA C22.2 No. 166:2015-06 UL 1573:2003/R:2014-01
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TECHNICAL DRAWINGS



Please contact:

