

SYMPL bridge Node



e:cue SYMPL bridge Node

The SYMPL bridge Node is a Art-Net / e:net / sACN to DMX / e:pix interface. Switch between two input sources on the fly. It comes with 8 x DMX / e:pix universes over screw terminal plugs. The SYMPL bridge Node makes it possible to run up to 4096 DMX channels (= 1360 RGB pixels, 170 pxl/universe) via DMX universes and up to 16,384 DMX channels (= 5456 RGB pixels, 682 pxl/universe) via e:pix universes. The SYMPL bridge Node supports up to 32 Art-Net / sACN universes. It is especially designed for projects in tough outdoor environments. Connection to the server runs via Ethernet interface with 100 Mbit/s. The Bridge can be powered by an external power supply or via Power-over-Ethernet. It is easily mounted on standard 35 mm DIN rails, or with a key hole in the housing base on walls or on any stable vertical surface. The SYMPL bridge Node is a simple, reliable and easy to use interface solution for e:cue's lighting control solution SYMPHOLIGHT.

Highlights

- Art-Net / e:net / sACN to DMX / e:pix interface with 8 x DMX512 / e:pix outputs
- Supports up to 32 Art-Net / sACN universes
- sACN in unicast or multicast mode
- Flexible mounting on 35 mm DIN rails or vertical surfaces
- Simple and easy integration in e:cue SYMPHOLIGHT
- Extended operating temperature -40 ... 70°C
- Backup-mode on data loss
- Integrated protection against surge; Highly isolated outputs
- Reverse polarity protection
- Power-over-Ethernet
- Test mode via button
- Web interface for status and configuration

Delivery scope

Identcode

- e:cue SYMPL bridge Node AM356970031
- Safety instructions, Welcome note

Optional accessories

- Power supply 15W 24V DIN rail AM1884100HA

e:cue Interfaces

Lighting applications are heterogenous by nature. e:cue interfaces serve to integrate many networks, protocols and third party products into e:cue solutions. They also aid in applying special control functions for fixtures, they integrate analog or mechanical signaling into the digital world and offer bridging functions. e:cue interfaces are the links to bring together the many techniques and technologies of lighting control.

Product specifications

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|------------------------------|---|
| Dimensions (W x H x D) | 143 x 92 x 62 mm/ 5.63 x 3.6 x 2.4 in (excl. fastening clip) |
| Weight | 250 g / 0.55 lb |
| Power supply input | 24 ... 48 V DC (terminal plug), cable cross section: 0.205 – 3.31 mm ² , reverse polarity protection or PoE IEEE 802.3af on RJ45 |
| Power consumption | max. 8 W (incl. DMX termination) |
| Operating temperature | -40 ... 70 °C * / -4 ... 158 °F * |
| Storage temperature | -40 ... 70 °C / -4 ... 158 °F |
| Operating / storage humidity | 0 ... 80% RH, non-condensing |
| Protection class | IP20 |
| Electrical safety class | SELV |
| Housing | Self extinguishing blend PC/ABS UL E140692 |
| Mounting | on 35 mm DIN rail (EN 60715), or with key hole on any stable vertical surface |

Interface specifications

| | |
|--------------------------|---|
| Interfaces | 8 x DMX512 / 8 x e:pix isolated in pairs, surge protection, 3-pin terminal plug cable cross section: 0.081 – 1.31 mm ² |
| Interface specifications | $V_{DMXmax}/V_{DMXmin} = 4.6 V/0.8 V$ Short circuit protected: $I_{SCmax} = 100 mA$ |
| Ethernet-Port | 1 x e:net 10/100 Mbit/s RJ45, surge protection |
| Sensors, internal | Temperature -40 ... 120 °C (±0.2 °C) / -40 ... 248 °F (±0.36 °F) Humidity 0 ... 100% (±2%) |

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| User interfaces | LEDs for Test / Error, Ethernet activity, device status, DMX status Identify button, Test button |
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*) 70 °C / 158 °F for max. 1 hour/day;
continuous operation at max. 60 °C / 140 °F.

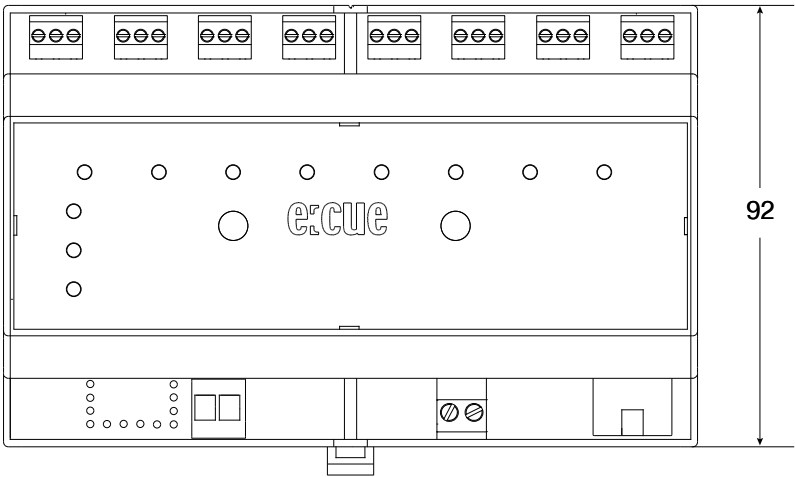
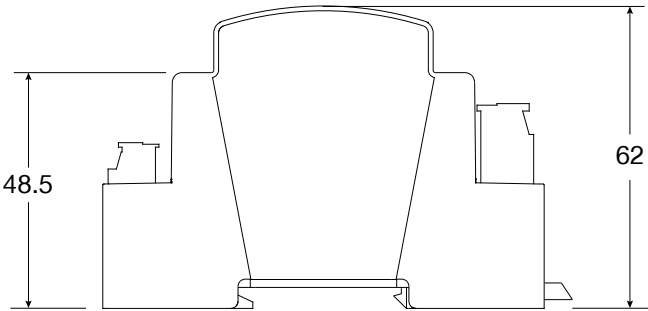
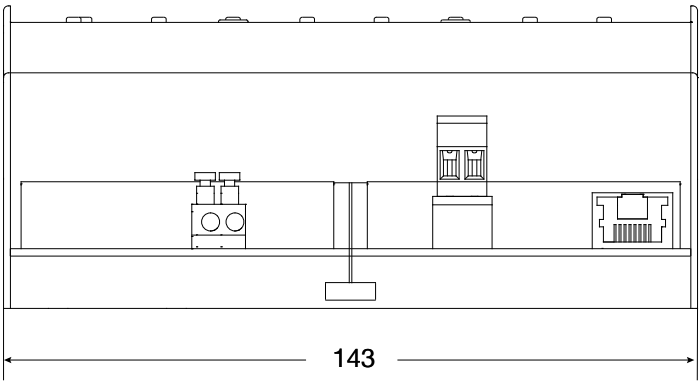


Conforms to ANSI/UL Std. 62368-1
Certified to CSA Std. C22.2 NO. 62368-1

Intertek
4000805

Dimensions

All measures in mm



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