

# SYMPL essential2 Node m:pix



## e:cue SYMPL essential2 Node m:pix

The SYMPL essential2 Node m:pix is an eight-channel DMX/ m:pix interface for use with e:cue's lighting control solution SYMPHOLIGHT. It provides an interfaces for up to 4096 DMX channels split into 8 universes with each 512 channels (DMX512) - or for up to 12,288 DMX channels split into 8 universes with 1536 channels each (m:pix). Connection to the server runs via Ethernet interface with 100 Mbit/s. The SYMPL essential2 Node m:pix can be powered by an external power supply or via Power-over-Ethernet (PoE). It is easily mounted on standard 35 mm DIN rails, or with key holes in the housing base.

## Highlights

- 8 independent ports (universes) for DMX / m:pix
- m:pix: Up to 1536 DMX channels/universe configurable (with SYMPHOLIGHT)
- Power-over-Ethernet
- High operating temperature: -30 ... 55 °C
- Isolated DMX outputs
- Surge protection (DMX side)
- Reverse polarity protection
- Test mode via button and web interface
- Integration in e:cue SYMPHOLIGHT
- Web interface for status and configuration

## 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.

## Delivery scope

- e:cue SYMPL essential2 Node
- Safety instructions
- Installation guide
- 8 x 3-pin DMX terminal plug
- 3-pin Power terminal plug

## Identcode

CL24100000835

## Optional accessories

- Power supply 15W 24V DIN rail AM1884100HA

## Product specifications

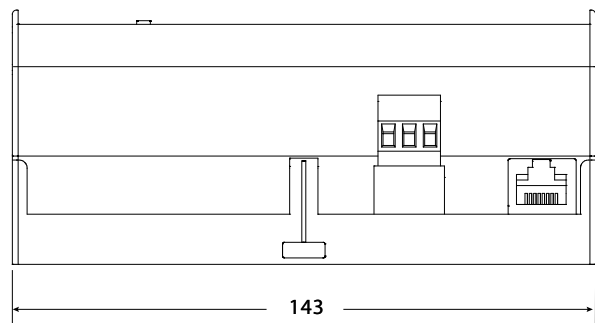
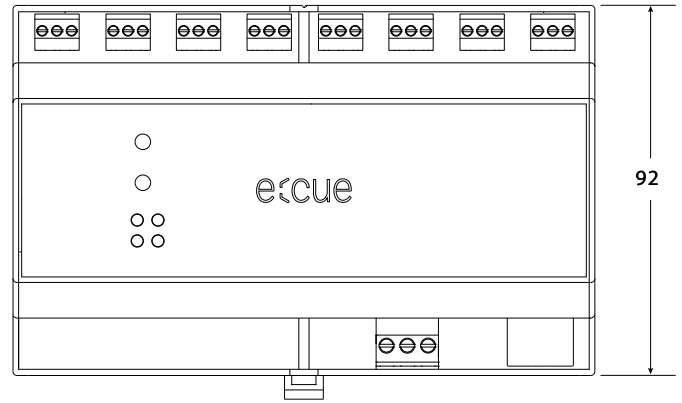
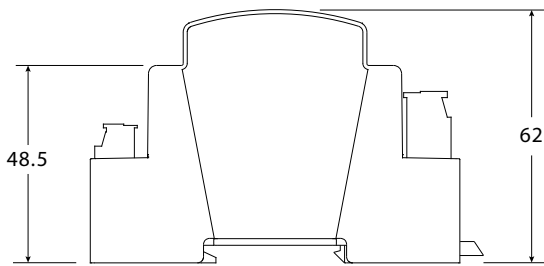
Dimensions (W x H x D)	143 x 92 x 62 mm / 5.63 x 3.6 x 2.4 in (excl. fastening clip)
Weight	250 g / 0.55 lb
Power supply input	12 ... 24 V DC terminal plug (5.08 mm pitch) wire gauge: 0.2 - 3.3 mm <sup>2</sup> reverse polarity protection or PoE IEEE 802.3af on RJ45
Power consumption	max. 3.5 W (incl. DMX termination)
Operating temperature	-30 ... 55 °C / -22 ... 131 °F
Storage temperature	-40 ... 70 °C / -40 ... 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
Certificates	CE, UKCA

**Interface specifications**

Output interfaces	8 x DMX / m:pix short circuit protected surge protection isolated in pairs 3-pin terminal plug (3.5 mm pitch) wire gauge: 0.08 ... 1.31 mm <sup>2</sup> m:pix: luminaire for 500 kbit/s or with automatic speed detection required
Ethernet-Port	1 x e:net 10/100 Mbit/s, RJ45 LEDs for Ethernet activity, device status, DMX status, error;
User interfaces	Identify button; Test button; web interface for configuration

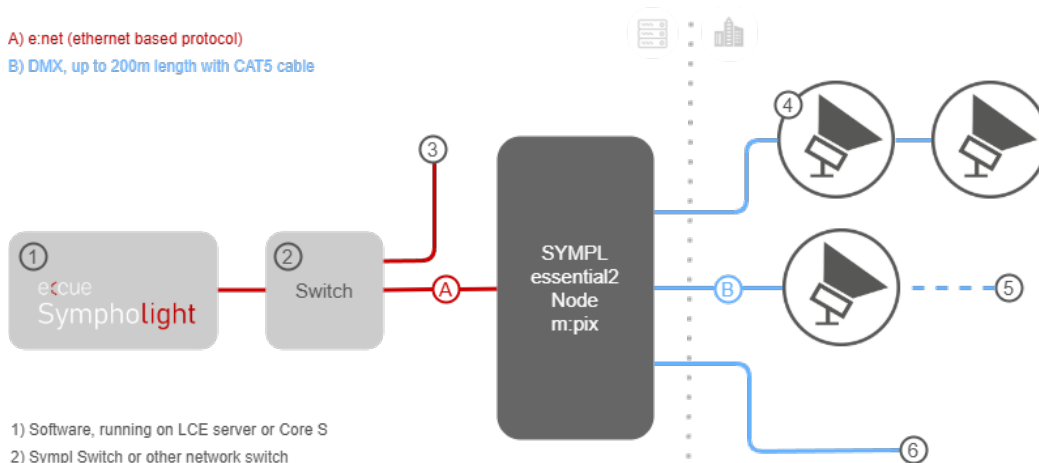
**Dimensions**

All measures in mm



**System diagram**

- A) e:net (ethernet based protocol)
- B) DMX, up to 200m length with CAT5 cable



- 1) Software, running on LCE server or Core S
- 2) Sympl Switch or other network switch
- 3) multiple other SYMPL Node
- 4) DMX fixture
- 5) up to 1536 channel per line
- 6) 8 outputs in total

