

# PRODUCT SPECIFICATIONS

## LumiNode 2

## 1. APPLICATIONS

### Ethernet / DMX processing device

The LumiNode 2 is an easy to deploy and maintain ethernet/DMX processing device for converting, routing, and merging DMX/RDM data on a network.

The unit is specifically designed with an all metal, robust enclosure, to mount on a fly bar or a wall, making it an ideal solution for theatre- and studio AV installs or for use at live performances. Equipped with 2x 1Gb Ethercon ports and 2x 5-pin DMX ports LumiNode 2 offers flexibility in a small package. Each port is fully optically and galvanically isolated and can be configured as an in- or output. All relevant industry standard protocols such as Art-Net, sACN, KiNET, RTTRpl (Blacktrax) are supported and can be processed and converted in 4 onboard process engines supporting HTP, LTP, Crossfade, Backup, Switch and Custom merging modes with soft patch functionality. LumiNode 2 also supports remote device management (RDM), has automatic functional and operational redundancy and recovery to reliably cope with the most challenging lighting tasks. A show recording and play-back mode lets you conveniently store lighting scenes and play these back when triggered to do so. An external contact closure is included as standard to allow for example to playback a lighting scene in case of emergency. LumiNode 2 is efficient and has a low power consumption and can be powered via PoE.

LumiNode 2 is easy and intuitively to configure through a built in web-based user interface. The fully documented open API facilitates full integration with any 3rd party control or management system.

With its two 1Gigabit ethernet ports, LumiNode 2 offers the possibility of a split network interface, with individual IP-addresses, making it possible to separate the lighting network data streams from IT related data, allowing for remote status monitoring and management without interfering with critical lighting control data streams.

LumiNode 2 with its 2 Ethercon connectors with 1Gbps capacity and an integrated switch is ready for future ethernet only based lighting networks.

Luminode 2 features group (VLAN) technology, which allows you to arrive at the Node with an ISL connection, connect the node to the lighting group and use the second Ethernet port for other purposes in another group (for example video control, Dante audio, ...).

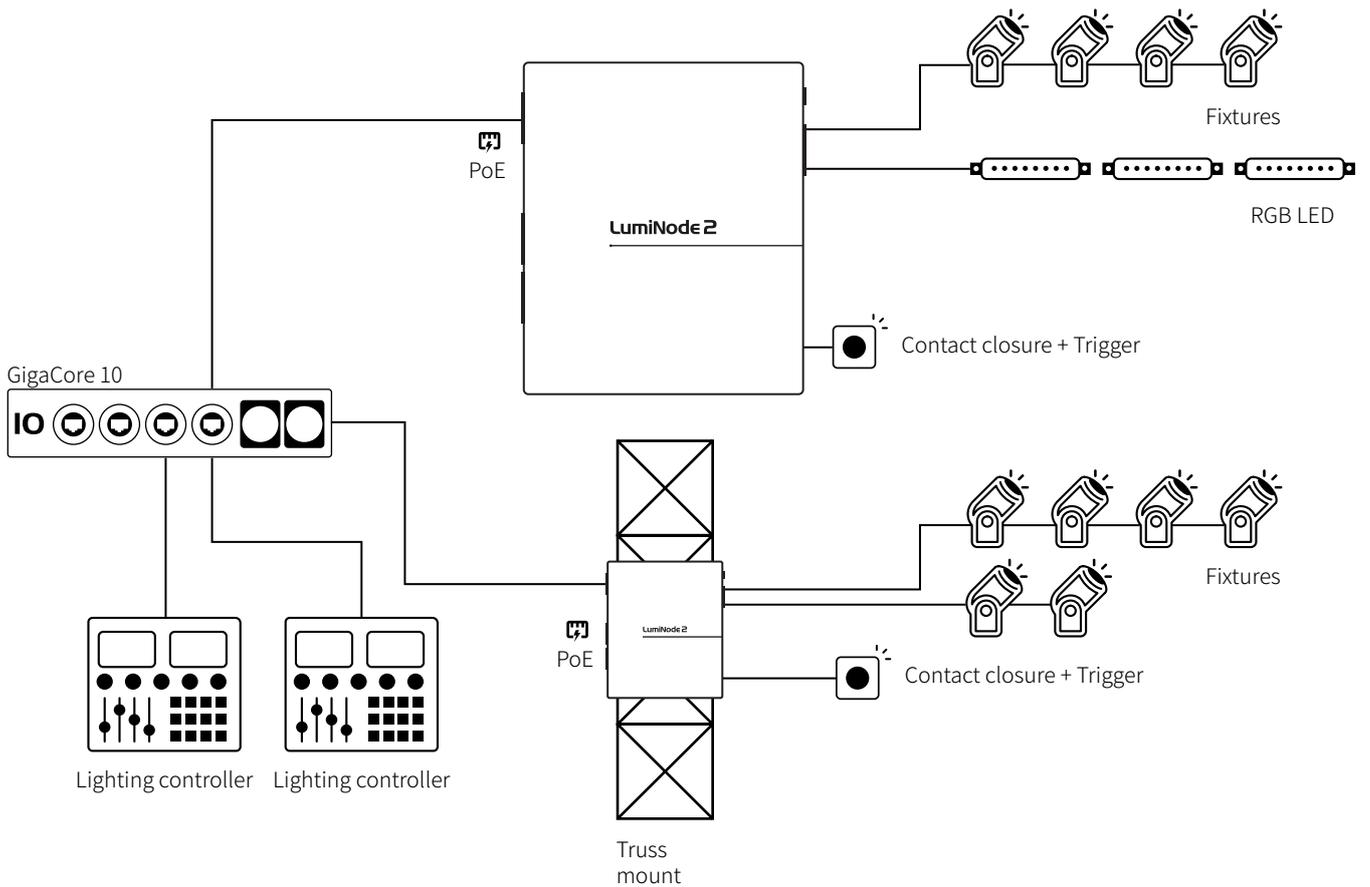
#### Applications:

- Theaters
- Touring & Live entertainment
- Mounting to fly-bars
- Wall mount
- Studio's
- Fashion shows, Product launches, Company events, Trade fairs
- ...

#### ORDERING INFORMATION

Product name:	Part numbers:
<b>LumiNode 2</b>	LU 01 00070

## 2. APPLICATION DIAGRAM

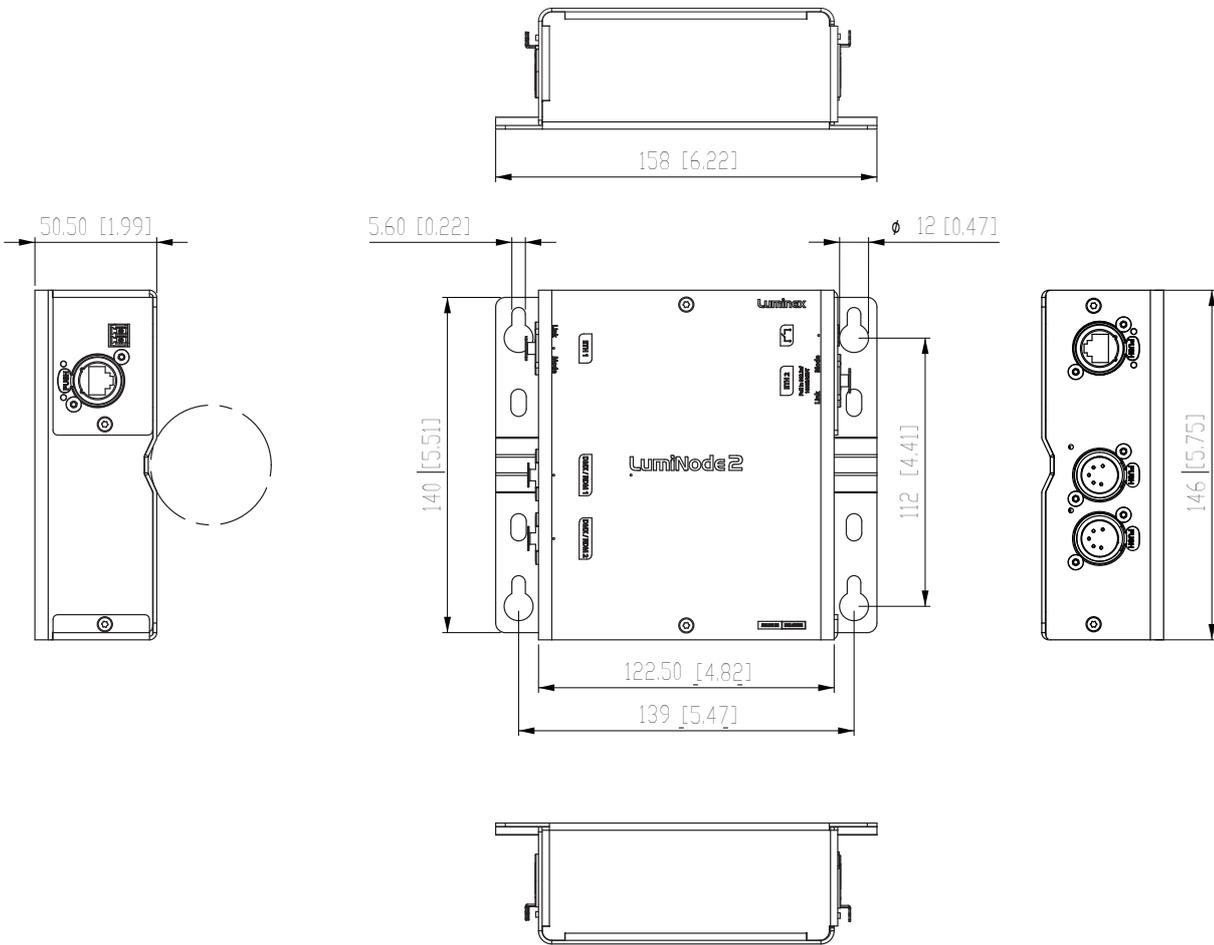


### 3. TECHNICAL SPECIFICATIONS

CONNECTIVITY	
DMX/RDM	2x shielded & gold plated Neutrik 5 pin XLR (female)
Network	2 x gigabit shielded Neutrik Ethercon connector
Contact Closure	1x2-pole plugable terminal block
Power	PoE 802.3af (Class 0)
DMX FEATURES	
Supported protocols	DMX512 (1986 & 1990) DMX512-A RDM ANSI E1.20-2010
DMX port direction	Input or output (configurable)
DMX port isolation	Optical and galvanic isolation per port
DMX timing	Framerate: 10-40fps Break: 176-352µs
ETHERNET FEATURES	
Supported protocols	Art-Net™ (1-4) sACN ANSI E1.31-2018 RTTrPL (BlackTraX) KiNET v1, v2
Port speed	10/100/1000Mbps
Port sensing	Auto-negotiation MDI / MDIX
Split management interface	Yes
Groups (VLAN) support	Yes
ADDITIONAL FEATURES	
Processing engine	4
Merging	Yes (HTP,LTP,Xfade,Backup,Switch,Custom)
Softpatch	Yes
Master/Limit	Yes
Trigger system	Yes
Reroute function	Yes
Profile manager	Yes
Snapshot	Yes
Monitoring Software	LumiNet Monitor
DMX redundancy	Yes
STATUS REPORTING	
Display & jog	No
Ethernet port connection	link/activity LED Group RGB LED
DMX port	DMX/RDM RGB LED
POWER / PoE	
Power input	PoE 802.3af (Class 0)
Power consumption	Max 8,5W
Power redundancy	No

<b>MANAGEMENT</b>	
Configuration	Built in Web server Documented Web API
<b>ENVIRONMENTAL</b>	
Operating temperature	0 to +50°C
Storage temperature	-10 to +70°C
Humidity(non condensing)	5 to 95% RH
<b>MECHANICAL</b>	
Enclosure	Metal enclosure
Dimensions (W x D x H)	158 x 146 x 50,5 mm
Weight	0,9 kg
Mounting type	Truss mount, Wall mount
Packaging	240 x 230 x 80 mm
<b>APPROVALS</b>	
Electromagnetic emissions and immunity	EN55032 class A
	EN55035
	EN61000-3-2
	EN61000-3-3
	EN61000-4-2
	EN61000-4-4
	EN61000-4-5
	EN61000-4-6
	EN61000-4-8
	EN61000-4-11
	FCC Part 15 CFR 47 class A
	ICES-003 Issue 6
Safety approvals	IEC 62368-1
	EN 62368-1
	UL 62368-1
	CAN/CSA-C22.2 No. 62368-1
	CE
Certificates	cSGSus Mark
	CE
	CB certificate
<b>GREEN</b>	
	RoHS
	REACH

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