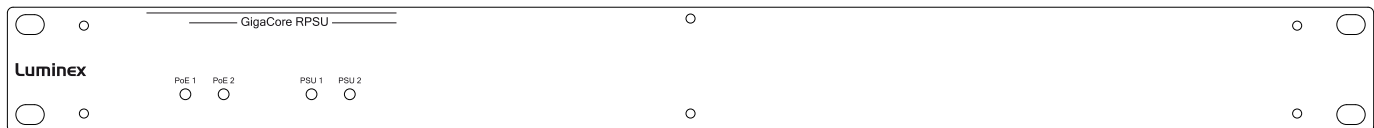


# GigaCore RPSU



Redundant power supply for GigaCore 14R and 16Xt

Quick Start Guide

V2.0.0

Rev1

English

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GigaCore RPSU Quick Start Guide

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# Safety Instructions



**CAUTION:** TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



**WARNING:** TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



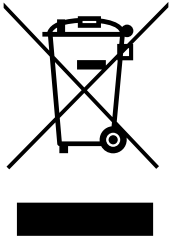
The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

- Read Instructions - All the safety and operating instructions should be read before the appliance is operated.
- Retain Instructions - The safety and operating instructions should be retained for future reference.
- Heed Warnings - All warnings on the appliance in the operating instructions should be adhered to.
- Follow Instructions - All operating and user instructions should be followed.
- Water and Moisture - The appliance should not be used near water; for example, near a fountain, or submitted to direct water exposure.
- The apparatus shall not be exposed to dripping or splashing liquids and no objects filled with liquids, such as bottles, shall be placed on the apparatus. Do not touch the appliance with wet hands. Do not handle the appliance or power cord with wet or damp hands. If water or any other liquid enters the appliance cabinet, take it to qualified service personnel for inspection.
- Cleaning - The appliance should be cleaned only as recommended by the manufacturer. From time to time you should wipe off the front and side panels and the enclosure with a soft cloth. Do not use rough material, thinners, alcohol or other chemical solvents or cloths since this may damage the finish or remove the panel lettering.
- Ventilation - The appliance should be situated so that its location or position does not interfere with its proper ventilation. Place the unit in a well-ventilated location, leaving at least 5 cm (2 inches) of clearance on front, side and rear of unit for air flow. If ventilation is blocked, the unit may overheat and malfunction.
- Heat - The appliance should be situated away from heat sources such as radiators or heating systems.
- Power Cord Protection - Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, receptacles, and the point where they exit from the appliance.
- Power Sources - The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
- Attachments / Options - Only use attachments/options specified by the manufacturer.
- Object and Liquid Entry - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through the openings.
- Servicing - The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.
- Damage Requiring Service - The appliance should be serviced by qualified service personnel when: A. The power supply cord or the inlet has been damaged; B. Objects have fallen, liquid has been spilled into the appliance; C. The appliance has been exposed to rain; or D. The appliance does not appear to operate normally; or E. The appliance has been dropped or the enclosure is damaged.
- The equipment shall be used at a maximum ambient temperature of 50° C / 140° F.

## Compliance information

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### Disposal of Waste Equipment by users in the European Union



This symbol on the product or its packaging indicates that this product must not be disposed of with other waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city recycling office or the dealer from whom you purchased the product.

### EMC (Electromagnetic Compliance)

This model GigaCore RPSU complies with the following standards regulating interference and EMC:

- EN 55022
- EN 55024

### CE Compliance (EMC and Safety)



Luminex is authorized to apply the CE mark on this compliant equipment thereby declaring conformity to EMC Directive 2004/108/EC and Low Voltage Directive 2006/95/EC.

## Warranty information

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### Limited warranty

Unless otherwise stated, your product is covered by a two (2) years parts and labor limited warranty. It is the owner's responsibility to furnish receipts or invoices for verification of purchase, date, and dealer or distributor. If purchase date cannot be provided, date of manufacture will be used to determine warranty period.

### Returning under warranty

Any Product unit or parts returned to Luminex LCE must be packaged in a suitable manner to ensure the protection of such product unit or parts, and such package shall be clearly and prominently marked to indicate that the package contains returned product units or parts. Accompany all returned product units or parts with a written explanation of the alleged problem or malfunction.

### Freight

All shipping will be paid by the purchaser. Items under warranty shall have return shipping paid by the manufacturer only in the European Union.

Under no circumstances will freight collect shipments be accepted. Prepaid shipping does not include rush expediting such as air freight. Air freight can be sent customer collect in the European Union.

Warranty is void if the product is misused, damaged, modified in any way, or for unauthorized repairs or parts.

## Registration

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Use your favorite web browser, and visit <http://www.luminex.be/support.php?show=registration> to register your product online.

By registering, you become eligible to receive the following:

- Technical support information
- Software update and upgrade notices
- Hardware warranty information

## In the box

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1 x GigaCore RPSU

1 x Quick Start Guide ( including warranty information and safety instructions).

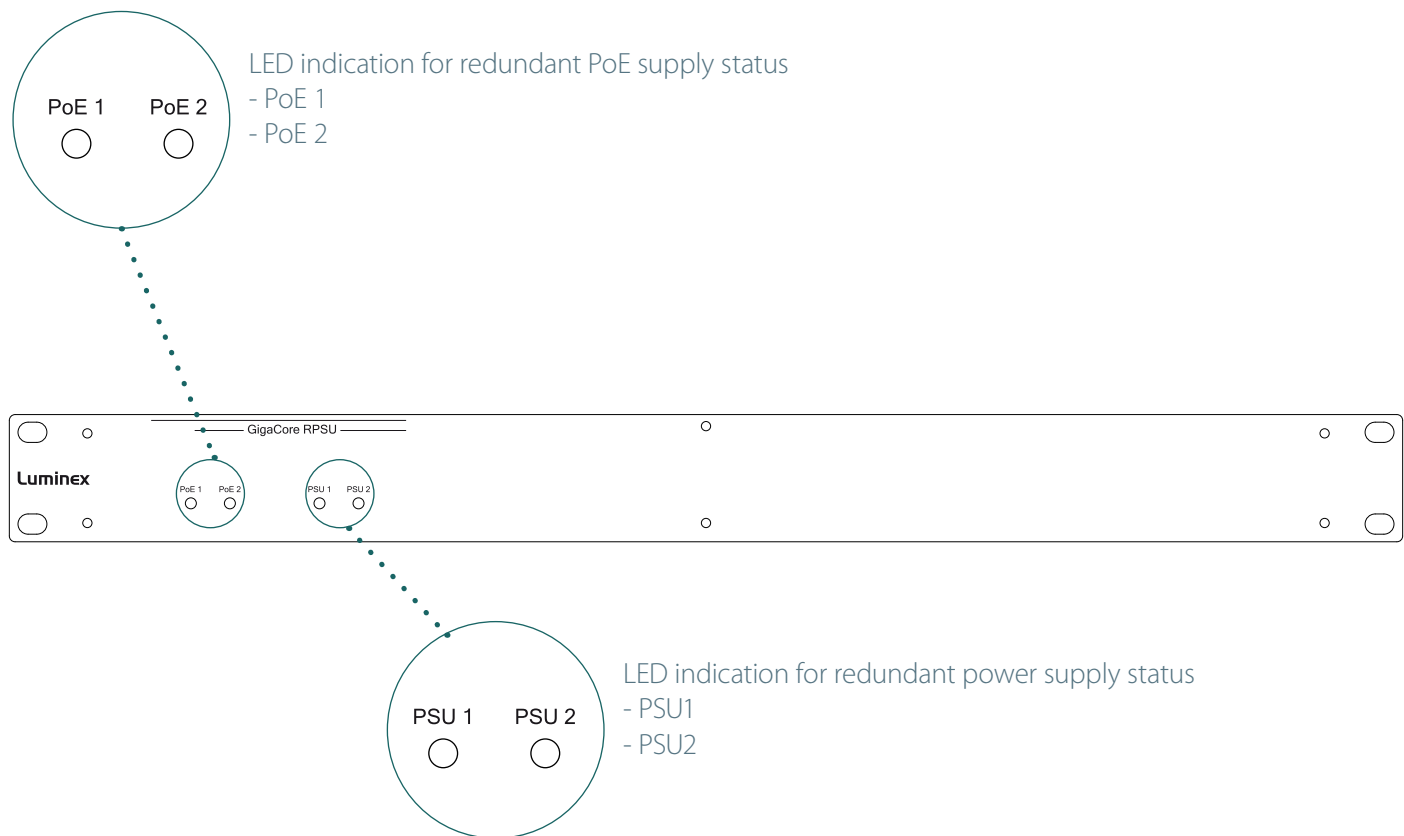
4 x 1 meter Molex Micro-Fit 6 pins cable (LU 90 00879)

## Description

The GigaCore RPSU is able to monitor two GigaCore Ethernet switches (14R and 16Xt model) at a time. In the unlikely event one of the switch's power supply fails, the unit will deliver power, seamlessly. The unit can backup both power and power over Ethernet supplies.

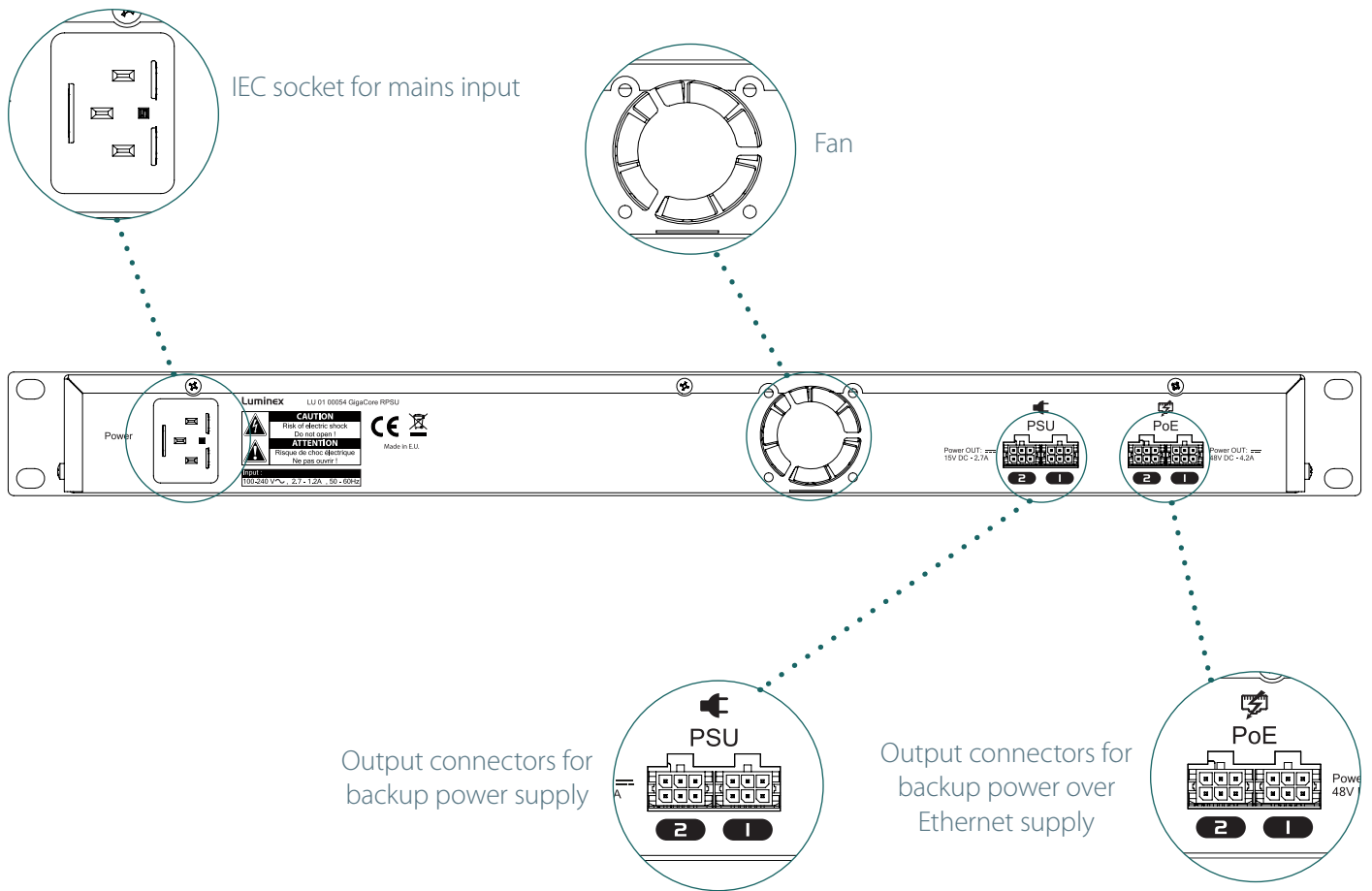
Please bear in mind the unit can only deliver power or power over Ethernet to one unit a time.

## Front panel



- 2 x LED for backup power over Ethernet supply status (PoE 1 and PoE 2)
- 2 x LED for backup power supply status (PSU 1 and PSU 2)

# Rear panel



- 1 x IEC socket for power input
- 1 x Fan
- 2 x Molex output connectors for redundant power supply
- 2 x Molex output connectors for redundant power over Ethernet supply

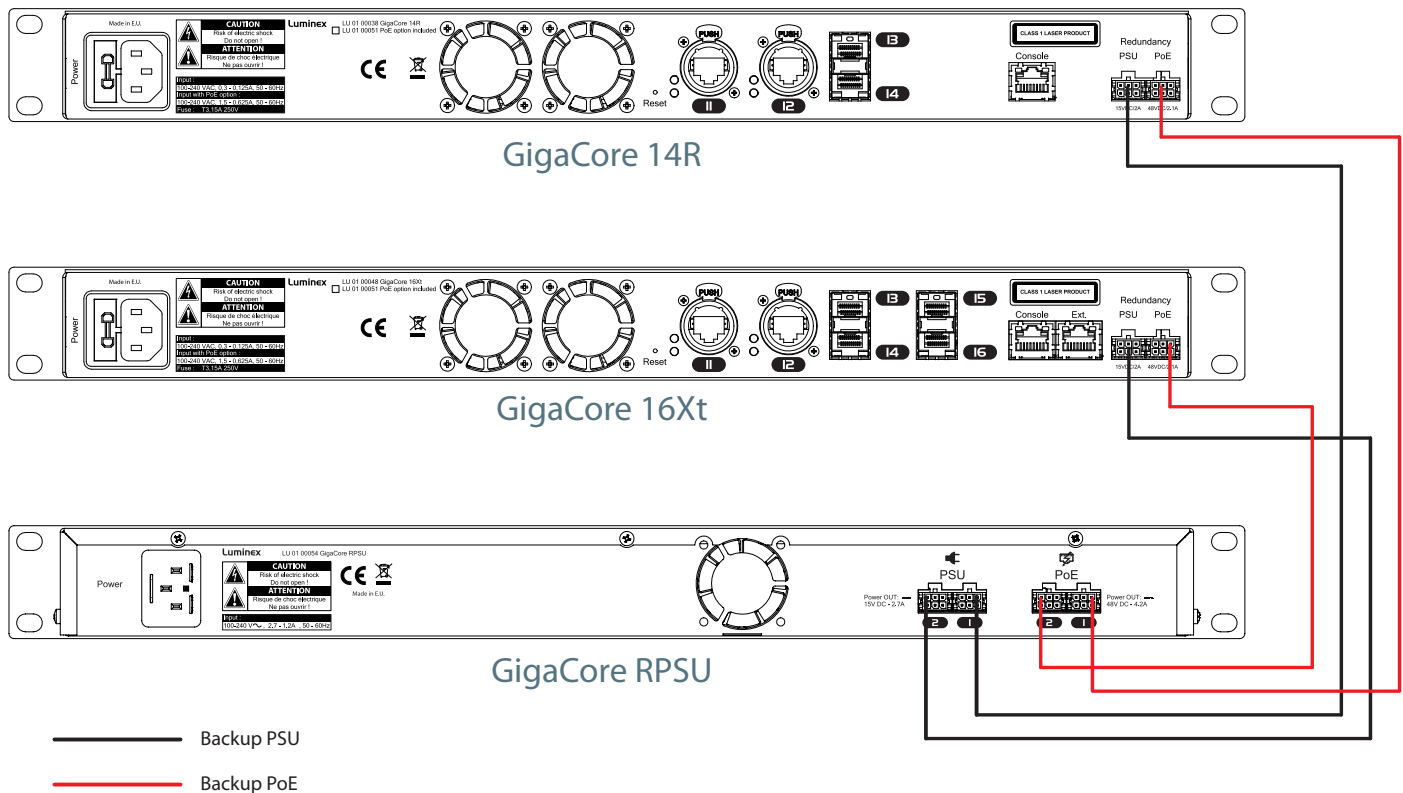
# Starting

The device operates with an AC voltage between 100V and 240VAC within a frequency range of 50Hz to 60Hz. An IEC socket is located at the rear of the unit. Please use an IEC plug compliant cable to feed power to the unit. Luminex recommends the use of a power cable, fitted with a locking mechanism to ensure a reliable connection to the device. Luminex also recommends to use power cable in accordance with the standards and the relevant authorities of your country.

**!!! WARNING: TO ENSURE A TOTAL PROTECTION, THIS EQUIPMENT MUST BE EARTHED !!!**

The GigaCore RPSU should be located in the same rack where the GigaCore switches to protect are installed. The RPSU is fitted with four 1 meter 6 ways MICRO-FIT Molex cables. In the case the distance between the RPSU and the connected switch to protect is less than one meter, best is to correctly roll the cable to prevent of heating issue.

# Wiring



Above illustration : wiring example



## Led indicators

The LED indicators of the GigaCore RPSU includes power and power over Ethernet supplies status. The following shows the LED indicators for the GigaCore RPSU along with an explanation of each indicator.

LED	Status	Meaning
PoE 1	Green	Unit is active, ready to source
	Red	Unit connected to this port has a failed power over Ethernet supply, and is being fed by the RPSU
	Orange	The other port is sourcing, this one cannot source
PoE 2	Green	Unit is active, ready to source
	Red	Unit connected to this port has a failed power over Ethernet supply, and is being fed by the RPSU
	Orange	The other port is sourcing, this one cannot source
PSU 1	Green	Unit is active, ready to source
	Red	Unit connected to this port has a failed power supply, and is being fed by the RPSU
	Orange	The other port is sourcing, this one cannot source
PSU 2	Green	Unit is active, ready to source
	Red	Unit connected to this port has a failed power supply, and is being fed by the RPSU
	Orange	The other port is sourcing, this one cannot source

## Specifications

Power Input		Physical	
Power Input	100-240VAC - 50/60Hz 2.7A - 1.2A	Enclosure	Metal Housing
		Dimensions (W x D x H)	482 x 183 x 44 mm 19" x 17.4" x 1.73"
Power Output		Packaging	520 x 235 x 50 mm 20.47" x 9.25" x 1.96"
PSU output	2 x 15VDC / 2.7A on Molex Micro-Fit 6 pins connector	Weight	2.7Kg
POE supply output	2 x 48VDC / 4.2A on Molex Micro-Fit 6 pins connector	Approvals	
Environmental		CE	✓
Operating Temperature	0 to + 50°C	EN 55022	✓
Storage temperature	-10 to +70°C	EN 55024	✓
Humidity	5 to 95 % RH	RoHS Compliance	✓

Luminex LCE operates a policy of continuous development. Luminex LCE reserves the right to make changes and improvements to any of the products described in this document above without prior notice. Specifications are subject to change without notice.

## Additional documentation

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All additional documenttion can be downloaded from our web pages in the support section :

<http://www.luminex.be>

--> Support

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