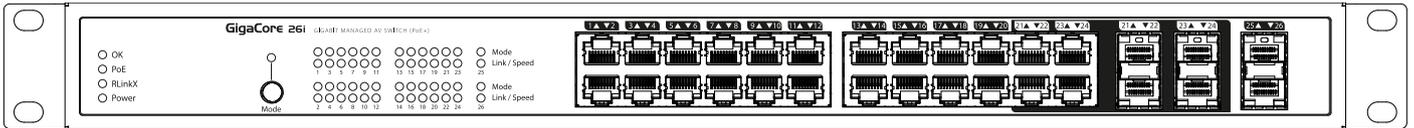# GigaCore 26i

# GigaCore 26i with PoE

CB C E SGS



## Quick Start Guide - V2.2.0 - English

# Compliance information

## FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two condiftions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received; including interference that may cause undesired operation.

■ **IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!**
This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Luminex Lighting Control Equipment nv may void your authority, granted by the FCC, to use the product.

■ This Equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

## Industry Canada Compliance Statement

This Class A digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

## European Community Compliance Statement

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

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

**Information for Users on Collection and Disposal of Old Equipment**

This symbol on the products, packaging, and/or accompanying documents means that used electrical and electronic products should not be mixed with general household waste.
For proper treatment, recovery and recycling of old products, please take them to applicable
collection points, in accordance with your national legislation and the Directives 2002/96/EC.
By disposing of these products correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.
For more information about collection and recycling of old products, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

**[For business users in the European Union]**
If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

**[Information on Disposal in other Countries outside the European Union]**
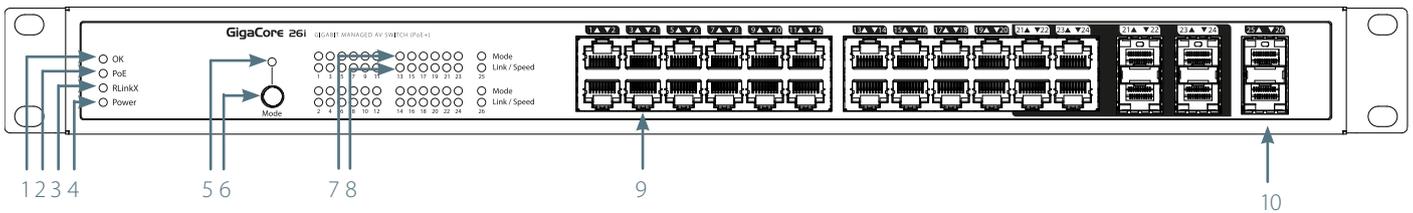This symbol is only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

# In the box

1 x LU 01 00052 GigaCore 26i or 1 x LU 01 00052-POE GigaCore 26i with PoE
1 x Quick Start Guide
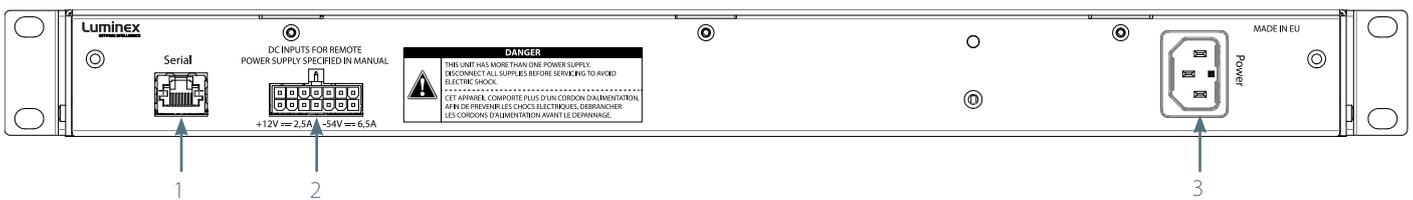1 x Safety instructions.

# Description

## Front panel



1 - **OK LED**: Indicates the general status of the switch
2 - **PoE LED**: Indicates the status of the PoE functionality and the PoE supplies (GigaCore 26i with PoE only)
3 - **RLinkX**: Indicates the RLinkX status
4 - **Power**: Indicates the status of the power supplies
5 - **Mode LED**: Indicates the selected state for the Port Mode LEDs

6 - **Mode button**: Use this button to browse through the different states for the Port Mode LEDs
7 - **26 x Port Mode LED**: According to the selected state, the LED will show different colours
8 - **26 x Port Link/Speed LED**: Shows the current speed and link activity of a port
9 - **24 x RJ45** 10/100/1000Mbps port
10 - **6 x SFP** cage for Mini-GBIC transceiver

> NOTE : PORT 21 TO 24 ARE DUAL MEDIA PORTS.
> RJ45 PORTS 21 TO 24 CAN'T BE USED AT THE SAME TIME AS SFP PORTS 21 TO 24.
> SFP PORTS 21 TO 24 HAVE PRIORITY OVER RJ45 PORTS 21 TO 24.

## Rear panel



1 - **Serial port**: RS232 console port on RJ45
2 - **RPSU port**: Connect here the optional Redundant Power Supply Unit
3 - **Power**: IEC inlet

# Led indicators

The LED indicators of the GigaCore 26i and 26i (with PoE) show General, PoE, RLinkX, Power and Link/Speed statuses.

| Switch LED | Colour | Description |
|---|---|---|
| OK (General status LED) | Green | All OK |
| | Green blink | Unit is writing to the flash. Do not disconnect power |
| | Orange | Temperature warning |
| | Red blink | Temperature or Fan error |
| | Red/Green blink | The unit is flashing new firmware. Do not disconnect power |
| PoE LED (GigaCore 26i with PoE only) | Green | Internal PoE supply OK and RPSU connected. PoE functionality OK |
| | Orange | Internal PoE supply OK (no RPSU connected) - PoE functionality OK |
| | Red blink | PoE supply or PoE functionality error |
| RLinkX LED | Green | RLinkX is active |
| Power LED | Green | Internal Power supply OK and RPSU connected |
| | Orange | Internal power supply OK (no RPSU connected) |
| | Red blink | Power error |

| Port LED | Status | Description |
|---|---|---|
| Link | Off | No link |
| | Green | Gigabit connection |
| | Orange | 10/100 Mbps connection |
| | Blink | Activity |

The LED indicators of the GigaCore 26i are meant to provide the user a maximum of information. Thanks to the mode button, the user can get all necessary information at a glance. Simply press the mode button to browse through the different states.

| State | Mode LED | Port Mode LED | Description |
|---|---|---|---|
| Groups | White | Group colour | The LED colour indicates the group assignation of the port |
| RLinkX | Blue | Blue | Indicates a redundant port |
| PoE | Yellow | Yellow | PoE is activated on this port |
| | | Orange | Port is sourcing a device |
| | | Red | Error on PoE |
| Dark Mode | Off | Off | All port's LEDs are swtiched off. Switch's status LEDs remain available. Ideal to reduce light emitted by the switch |

# Installing Mini GBIC (SFP) transceivers

The GigaCore 26i (with PoE) comes with six SFP cages at the front of the unit. These cages accept mini GBIC transceivers.

**Recommended transceivers**

Luminex recommends the use of the following transceivers:
LU 90 00871    GigaCore 1.25Gd Multi-Mode fiber transceiver
LU 90 00872    GigaCore 1.25Gd Single Mode fiber transceiver
LU 90 00874    GigaCore 1.25Gd copper RJ45 transceiver

# Connecting the Redundant Power Supply Unit

The GigaCore 26i (with PoE) provides a connector to an optional Luminex Redundant Power Supply Unit, providing redundancy on power level for both the mains as the PoE power.
Attach only the following RPSU to the RPSU connector:  LU 01 00061 GigaCore RPSU MKII

# 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.

# Connection to the web interface

- Connect a computer to the switch with a network cable (Cat5E minimum).
- Default GigaCore IP address is displayed at the rear of the unit. Set your computer with an IP address within the same subnet (do not use the same IP address!)
- Launch your favorite web browser
- Type the IP address of the switch in the address field.
- Enter admin in the login field. Leave the password field blank.

# Additional documentation

All additional documenttion, including the user manual,  can be downloaded from our web site in the support section :
http://www.luminex.be
--> Support

**LUMINEX**
NETWORK INTELLIGENCE

T +32 11 812 189
info@luminex.be
support@luminex.be
www.luminex.be