

GigaCore
ETHERNET SWITCHES

#AV NETWORKING MADE EASY



Luminex
NETWORK INTELLIGENCE



Nowadays, most of the devices used in the industry offer a network connection. To take full benefit of networking, with no hassle, best is to connect your favorite networked device to a powerful and reliable Ethernet switch.

The GigaCore product range is composed of four Ethernet switches designed to cope with the most demanding AV installation. From tour to installation, the switches offer a reliable and user friendly platform, to transport any of the industry IP protocols such as sound, light or video, at wire speed.



A PRE-CONFIGURED ETHERNET SWITCH DESIGNED FOR PROFESSIONAL AV SOLUTIONS, PERFECT FOR TOURING AND LIVE EVENTS.



FOUR MODELS SHARE THE FOLLOWING FEATURES

- 12 x Gigabit copper ports on Neutrik Ethercon connectors
- Up to 4 SFP cages for fiber connectivity (except GigaCore 12)
- Rugged fiber optic connector (RFO only)
- RlinkX system to create redundant links in a truly plug and play manner
- Groups function to easily separate protocols within the network
- Optional PoE+ supply to provide up to 160W on the ten front ports
- Input for optional backup power supply (14R and 16Xt only)
- Input for optional PoE supply (14R and 16Xt only)
- Redundant fans (14R, 16Xt and 16RFO only)
- Front end display for fast and easy configuration (16Xt and RFO only)
- QoS to support latest sound protocol
- Low Jitter
- Successfully tested with industry protocols such as: Allen & Heath ACE™, Audinate Dante™, Ethersound, QSC™ QLAN, Roland® REAC, Art-Net, MA Lighting MANet 1&2, sACN, AVB/Milan and many more...
- Hardware is ready for future AVB upgrades
- Profile manager



The GigaCore 26i is a Gigabit Ethernet switch providing a budget friendly solution when port density matters. The unit comes with all the advanced functionalities of the GigaCore Ethernet switches range, in a fully AV-installation oriented package. The unit offers 26 Gigabit ports that are all connected on the front panel. Each port on the switch will have coloured mode led indications which will indicate different properties of the port such as: PoE, redundancy and group membership. Configuration can be done through an intuitive web interface.



The complete GigaCore range is validated for different pro audio and lighting protocols by different key manufacturers and referred as the preferred network solution. This makes the GigaCore 26i the ideal solution to create a complete network in studios, theaters, convention centers...

**“ A PRE-CONFIGURED ETHERNET SWITCH
DESIGNED FOR AV SYSTEM INTEGRATIONS, PERFECT FOR
FIXED INSTALLATIONS. ”**

FEATURES

- Wire-speed Layer 2/3 managed switch
- Industry specific web interface
- 24 x Gigabit copper ports on RJ45
- 4 x Gigabit compliant shared SFP cages
- 2 additional Gigabit compliant SFP cages
- 4 status LEDs for the device: OK, PoE, RLinkX, Power
- Coloured Mode LED per port: PoE, redundancy and group membership
- Additional LED per port: Link/Speed
- Redundant fans
- Tailored for industry protocols, such as: AES67, Art-Net, Dante™, Ethersound™, MANet 1&2, Q-LAN, REAC™, sACN, AVB/Milan and many more...
- Profile Manager
- IEEE 1588 PTP V2

Options

- PoE+ supply unit: Deliver up to 370W through the 24 front RJ45 connectors
- Redundant Power and PoE supply

GIGACORE 10



By far the most versatile Luminex Gigabit switch to be built to date, the plug-and-play GigaCore 10 has been designed specifically for the challenges and rigours of the live events and touring industry, where effortless set up, flexible use options, compact size and rugged reliability are key. The unit can be mounted in a truss, on a wall or in a rack, which makes it suitable for many applications. And with the easy group function with RGB LED indicators on the front panel, it's a piece of cake to modify groups, change port settings or add devices to the network,

without having to reprogram the entire system. With its robust housing and rugged connectors, the GigaCore 10 is sure to become the all-time favourite switch for touring. The software is validated against all common protocols in the AV industry and will flawlessly work with almost every fixture you connect to the network. For ultimate reliability, two units can be combined in a 1U rack space and operate in a primary/secondary mode. This unit can deliver up to 130W over Ethernet to power up fixtures, nodes, cameras, intercom systems and other devices.



FEATURES

- 8 x Gigabit Ethernet port
- 2 x slots for rugged fiber connectivity
- Converged networking: lighting, audio and video over IP
- Easy group function with preconfigured VLANs
- Tailored for industry protocols, such as: ArtNet, sACN, MANet, Dante™, RAVENNA/AES67, Q-LAN, PTPv2, RTTrPL (BlackTrax), AVB/Milan and many more ...
- RGB LEDs for group color indication
- Profile manager
- Link aggregation (MultiLinkX)
- Optional PoE supply up to 130W through the 8 Ethernet connectors

VERSATILE.
EFFORTLESS.
RELIABLE.



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REDUNDANT POWER SUPPLY UNITS



GIGACORE RPSU / RPSU 400

If for some reason the built-in power supply of your unit fails, the RPSU keeps your system up and running. On top of this, RPSU can also backup the optional Power over Ethernet supply of the GigaCore switch.

Therefore you can be sure that a PoE (Power over Ethernet) device connected to your switch, will always receive power through its network cable.

RPSU, backup power for the GigaCore Switches 14R and 16Xt

RPSU 400, backup power for the GigaCore Switches 26i



FEATURES RPSU

- Monitor two GigaCore switches at a time
- Provide backup power to one switch at a time
- Provide backup power over Ethernet to one switch at a time
- 4 status LEDs for the device: PoE1, PoE2, PSU1, PSU2
- Status of the RPSU available through the GigaCore switch web interface
- Smart fan control
- Universal power supply: 100-240VAC

FEATURES RPSU 400

- Monitor three GigaCore 26i switches at a time
- Provide backup power to one switch at a time
- Provide backup power over Ethernet to one switch at a time
- 1 general status LED
- 3 status LEDs, one for each output
- Status of the RPSU available through the GigaCore 26i switch web interface
- Smart fan control
- Universal power supply: 100-240VAC

USE AV NETWORK TECHNOLOGY WITH CONFIDENCE

At Luminex, we are fully committed to providing you with only the best products and service, without compromises. We go the extra mile to make it as easy as possible for you to design and install your lighting, audio and video infrastructure.

We have built a vast amount of application knowhow within the industry to deliver equipment that simplifies and speeds up your projects, all while exceeding the highest quality standards. Our highly experienced development team work to provide designs that are professional in every

aspect, down to the look and feel. Every unit is thoroughly tested and proven before it leaves our factory.

Using our products guarantees a hassle-free experience. To ensure this we have a support team on hand to answer all your questions and resolve any issues you might encounter. Simply give us call, email or text us, we will do our utmost to provide you with a quick and accurate solution.

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GOOD REASONS TO BE A GIGACORE SWITCH USER

1. Industry tested and validated against following protocols: Dante, AES67, AVB/Milan; ArtNet, sACN, MANet, and many more
2. Pre-configured groups (VLAN) for most AV protocols.
3. No IT- knowledge required to configure your switches, intuitive UI
4. Designed to be used in every AV environment
5. Out of the box redundancy
6. Silent fan design
7. FREE software upgrades
8. Robust design
9. Supports most advanced timing protocols (PtPv2)
10. Customer support that speaks the AV language.



**WE'VE GOT
YOU COVERED**

NEW
milan™

member of
AVCJU
alliance

AIMS
Member

Dante®

PtPv2
IEEE 1588-2008



RAVENNA
AES67 built-in

Luminex

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MADE IN BELGIUM