

# GigaCore Ethernet Switches

## Specifications (1/2)

Connectivity	■ GigaCore I2	■ GigaCore I4R	■ GigaCore I6Xt	■ GigaCore I6RFO
■ Network	<ul style="list-style-type: none"> <li>12 x 10/100/1000Mbps shielded Neutrik Ethercon connectors</li> <li>10 on the front, 2 at the rear</li> </ul>	<ul style="list-style-type: none"> <li>12 x 10/100/1000Mbps shielded Neutrik Ethercon connectors</li> <li>10 on the front, 2 at the rear</li> <li>2 x SFP cages, compliant with 10/100/1000Mbps Mini GBIC transceiver</li> <li>1 x serial RJ45 console port</li> </ul>	<ul style="list-style-type: none"> <li>12 x 10/100/1000Mbps shielded Neutrik Ethercon connectors</li> <li>10 on the front, 2 at the rear</li> <li>4 x SFP cages, compliant with 10/100/1000Mbps Mini GBIC transceiver</li> <li>1 x serial RJ45 console port</li> <li>1 x RJ45 expansion port</li> </ul>	<ul style="list-style-type: none"> <li>12 x 10/100/1000Mbps shielded Neutrik Ethercon connectors</li> <li>10 on the front, 2 at the rear</li> <li>4 x slots for D type compliant rugged fibre connector</li> <li>4 on the front, 4 at the rear</li> <li>1 x serial RJ45 console port</li> </ul>
■ Power	<ul style="list-style-type: none"> <li>1 x IEC inlet with fuse holder</li> </ul>	<ul style="list-style-type: none"> <li>1 x IEC inlet with fuse holder</li> <li>1 x redundant power input on Molex Micro-Fit 6 pins connector</li> <li>1 x redundant PoE input on Molex Micro-Fit 6 pins connector</li> </ul>	<ul style="list-style-type: none"> <li>1 x IEC inlet with fuse holder</li> <li>1 x redundant power input on Molex Micro-Fit 6 pins connector</li> <li>1 x redundant PoE input on Molex Micro-Fit 6 pins connector</li> </ul>	<ul style="list-style-type: none"> <li>2 x Neutrik PowerCon True1 In/Out</li> </ul>
Switch Features				
■ RLinkX	■ ✓	■ ✓	■ ✓	■ ✓
■ Groups	■ ✓	■ ✓	■ ✓	■ ✓
■ PoE Supply on the front ports	<ul style="list-style-type: none"> <li>Optional (Requires LU 01 00051-GC12 PoE supply)</li> <li>Up to 150W spread on the ten front ports</li> </ul>	<ul style="list-style-type: none"> <li>Optional (Requires LU 01 00051-GC14/16 PoE supply)</li> <li>Up to 150W spread on the ten front ports</li> </ul>	<ul style="list-style-type: none"> <li>Optional (Requires LU 01 00051-GC14/16 PoE supply)</li> <li>Up to 150W spread on the ten front ports</li> </ul>	<ul style="list-style-type: none"> <li>Optional (Requires LU 01 00051-GC16 RFO PoE supply)</li> <li>Up to 150W spread on the ten front ports</li> </ul>
■ Fan	■ 1	■ 2	■ 2	■ 2
■ Ethernet Compliance	<ul style="list-style-type: none"> <li>IEEE 802.3, IEEE 802.3u,</li> <li>IEEE 802.3x Flow Control,</li> <li>IEEE 802.3ab Gigabit Ethernet</li> </ul>	<ul style="list-style-type: none"> <li>IEEE 802.3, IEEE 802.3u,</li> <li>IEEE 802.3x Flow Control,</li> <li>IEEE 802.3ab Gigabit Ethernet</li> </ul>	<ul style="list-style-type: none"> <li>IEEE 802.3, IEEE 802.3u,</li> <li>IEEE 802.3x Flow Control,</li> <li>IEEE 802.3ab Gigabit Ethernet</li> </ul>	<ul style="list-style-type: none"> <li>IEEE 802.3, IEEE 802.3u,</li> <li>IEEE 802.3x Flow Control,</li> <li>IEEE 802.3ab Gigabit Ethernet</li> </ul>
■ Supported Protocols	<ul style="list-style-type: none"> <li>Dante®, Ethersound®, REAC®, sACN, ArtNet, MANet2, Q-Lan and many more!</li> <li>IEEE 802.1p CoS (Class of Service)</li> <li>DiffServ (DSCP)</li> <li>PoE (802.3af) through optional module</li> <li>IEEE 1588 PTP V2</li> </ul>	<ul style="list-style-type: none"> <li>Dante®, Ethersound®, REAC®, sACN, ArtNet, MANet2, Q-Lan and many more!</li> <li>IEEE 802.1p CoS (Class of Service)</li> <li>DiffServ (DSCP)</li> <li>PoE (802.3af) through optional module</li> <li>IEEE 1588 PTP V2</li> </ul>	<ul style="list-style-type: none"> <li>Dante®, Ethersound®, REAC®, sACN, ArtNet, MANet2, Q-Lan and many more!</li> <li>IEEE 802.1p CoS (Class of Service)</li> <li>DiffServ (DSCP)</li> <li>PoE (802.3af) through optional module</li> <li>IEEE 1588 PTP V2</li> </ul>	<ul style="list-style-type: none"> <li>Dante®, Ethersound®, REAC®, sACN, ArtNet, MANet2, Q-Lan and many more!</li> <li>IEEE 802.1p CoS (Class of Service)</li> <li>DiffServ (DSCP)</li> <li>PoE (802.3af) through optional module</li> <li>IEEE 1588 PTP V2</li> </ul>
■ Sound protocol compliance	■ Yes. Low jitter	■ Yes. Low jitter	■ Yes. Low jitter	■ Yes. Low jitter
■ Ethernet Switch Type	■ Full non blocking wire-speed switching performance	■ Full non blocking wire-speed switching performance	■ Full non blocking wire-speed switching performance	■ Full non blocking wire-speed switching performance
■ Memory	■ 4Mb	■ 4Mb	■ 4Mb	■ 4Mb
■ MAC Address Table	■ 8192 Entries	■ 8192 Entries	■ 8192 Entries	■ 8192 Entries
■ Address Learning / Aging	■ Self learning, Auto aging	■ Self learning, Auto aging	■ Self learning, Auto aging	■ Self learning, Auto aging
■ Switching Throughput	■ 32Gbps	■ 32Gbps	■ 32Gbps	■ 32Gbps
■ IGMP support	■ Yes (V1/V2/V3)	■ Yes (V1/V2/V3)	■ Yes (V1/V2/V3)	■ Yes (V1/V2/V3)
■ IGMP Snooping	■ Yes, enabled by default	■ Yes, enabled by default	■ Yes, enabled by default	■ Yes, enabled by default
Port Features				
■ Port Sensing	■ Auto negotiation	■ Auto negotiation	■ c	■ Auto negotiation
■ Auto Crossover	■ MDI / MDIX (allow to use straight or cross wired cable)	■ MDI / MDIX (allow to use straight or cross wired cable)	■ MDI / MDIX (allow to use straight or cross wired cable)	■ MDI / MDIX (allow to use straight or cross wired cable)
■ Auto Sensing	■ Full or Half Duplex (Gigabit is Full Duplex)	■ Full or Half Duplex (Gigabit is Full Duplex)	■ Full or Half Duplex (Gigabit is Full Duplex)	■ Full or Half Duplex (Gigabit is Full Duplex)
Status Report				
■ Front End Display	■ ✗	■ ✗	■ ✓	■ ✓
■ Ethernet Port Connection	■ PoE (Orange LED), RlinkX (Blue LED), Link / Speed (Green/Orange LED)	■ PoE (Orange LED), RlinkX (Blue LED), Link / Speed (Green/Orange LED)	■ PoE (Orange LED), RlinkX (Blue LED), Link / Speed (Green/Orange LED)	■ PoE (Orange LED), RlinkX (Blue LED), Link / Speed (Green/Orange LED)
■ Ethernet Port Speed	■ 100/1000Mbps LED	■ 100/1000Mbps LED	■ 100/1000Mbps LED	■ 100/1000Mbps LED
■ Device	■ Status LED (Green / Red LED)	■ Status LED (Green / Red LED)	■ Status LED (Green / Red LED)	■ Status LED (Green / Red LED)
■ Power	■ Status LED (Green / Orange / Red LED)	■ Status LED (Green / Orange / Red LED)	■ Status LED (Green / Orange / Red LED)	■ Status LED (Green / Orange / Red LED)
■ PoE (Supply)	■ Status LED (Green / Orange / Red LED)	■ Status LED (Green / Orange / Red LED)	■ Status LED (Green / Orange / Red LED)	■ Status LED (Green / Orange / Red LED)
■ RLinkX	■ Status LED (Available in a future release)	■ Status LED (Available in a future release)	■ Status LED (Available in a future release)	■ Status LED (Available in a future release)

# GigaCore Ethernet Switches

## Specifications (2/2)

Management	■ GigaCore I2	■ GigaCore I4R	■ GigaCore I6Xt	■ GigaCore I6RFO
■ Configuration	■ Through the built-in web server	■ Through the built-in web server	■ Through the built-in web server or with the front end display menu	■ Through the built-in web server or with the front end display menu
<b>Power Input</b>				
■ Power Input	■ 100-240VAC ■ 50-60Hz	■ 100-240VAC ■ 50-60Hz	■ 100-240VAC ■ 50-60Hz	■ 100-240VAC ■ 50-60Hz
■ Backup Power Input	■ ✘	■ 15VDC / 2A on Molex Micro-Fit ■ 6 pin connector	■ 15VDC / 2A on Molex Micro-Fit ■ 6 pin connector	■ 100 - 240VAC on Neutrik PowerCon True1 connector
■ Backup PoE Input	■ ✘	■ 48VDC / 2.1A on Molex Micro-Fit ■ 6 pin connector	■ 48VDC / 2.1A on Molex Micro-Fit ■ 6 pin connector	■ ✘
■ Power Consumption	■ Maximum 30W ■ Maximum 180W with PoE Supply Unit	■ Maximum 30W ■ Maximum 180W with PoE Supply Unit	■ Maximum 30W ■ Maximum 180W with PoE Supply Unit	■ Maximum 30W ■ Maximum 180W with PoE Supply Unit
■ Fuse	■ 3.15A 250V Slow Blow	■ 3.15A 250V Slow Blow	■ 3.15A 250V Slow Blow	■ 3.15A 250V Slow Blow
<b>Environmental</b>				
■ Operating Temperature	■ 0 to +50 °C	■ 0 to +50 °C	■ 0 to +50 °C	■ 0 to +50 °C
■ Storage Temperature	■ -10 to +70 °C	■ -10 to +70 °C	■ -10 to +70 °C	■ -10 to +70 °C
■ Humidity (non condensing)	■ 5 to 95 % RH	■ 5 to 95 % RH	■ 5 to 95 % RH	■ 5 to 95 % RH
<b>Physical</b>				
■ Enclosure	■ Metal housing	■ Metal housing	■ Metal housing	■ Metal housing
■ Dimensions (W x D x H)	■ 482 x 204,3 x 44 mm ■ 19" x 8.04" x 1.73"	■ 482 x 204,3 x 44 mm ■ 19" x 8.04" x 1.73"	■ 482 x 204,3 x 44 mm ■ 19" x 8.04" x 1.73"	■ 482 x 294.15 x 88.45 mm ■ 19" x 11.58" x 3.48"
■ Packaging	■ 520 x 235 x 50 mm ■ 20.47" x 9.25" x 1.96"	■ 520 x 235 x 50 mm ■ 20.47" x 9.25" x 1.96"	■ 520 x 235 x 50 mm ■ 20.47" x 9.25" x 1.96"	■ 510 x 410 x 136 mm ■ 20.07" x 16.14" x 5.35"
■ Weight	■ 2.5Kg	■ 2.5Kg	■ 2.5Kg	■ 4.9Kg
<b>Approvals</b>				
■ CE	■ ✓	■ ✓	■ ✓	■ ✓
■ EN 55103-1	■ ✓	■ ✓	■ ✓	■ ✓
■ EN 55103-2	■ ✓	■ ✓	■ ✓	■ ✓
■ EN 60950-1	■ ✓	■ ✓	■ ✓	■ ✓
■ 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.