

# PRODUCT SPECIFICATIONS

**GigaCore**

## TECHNICAL SPECIFICATIONS

CONNECTIVITY	GigaCore 12	GigaCore 14R	GigaCore 16XT	GigaCore 16RFO
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> </ul>	<ul style="list-style-type: none"> <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 (Redundancy power &amp; PoE)</li> </ul>
SWITCH FEATURES				
RLinkX	✓			
Groups (VLANs)	✓			
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 160W 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 160W 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 160W spread on the ten front ports</li> </ul>	
Fan	1	2	2	2
Ethernet Compliance	<ul style="list-style-type: none"> <li>IEEE 802.2 ■ IEEE 802.3 ■ IEEE 802.3u ■ IEEE 802.3x Flow Control ■ IEEE 802.3ab Gigabit Ethernet ■ IEEE 802.3af PoE</li> <li>IEEE 802.3at PoE+ ■ IEEE 802.1p CoS ■ IEEE 802.1d Spanning Tree ■ IEEE 802.1w Rapid Spanning Tree</li> <li>IEEE 802.1s Multiple Spanning Tree ■ IEEE 802.1Q VLAN ■ IEEE 802.1ad LACP ■ IEEE 802.1ab LLDP ■ IEEE 1588-2008 PTPv2</li> </ul>			
Supported Protocols	<ul style="list-style-type: none"> <li>Dante®, Ethersound®, REAC®, sACN, ArtNet, MANet2, Q-Lan and many more! ■ IEEE 802.1p CoS (Class of Service)</li> <li>DiffServ (DSCP) ■ PoE (802.3af) through optional module ■ IEEE 1588 PTP V2</li> </ul>			
Sound protocol compliance	Yes. Low jitter			
Ethernet Switch Type	Full non blocking wire-speed switching performance			
Memory	4Mb			
MAC Address Table	8192 Entries			
Address Learning / Aging	Self learning, Auto aging			
Switching Throughput	32Gbps			
IGMP support	Yes (V1/V2/V3)			
IGMP Snooping	Yes, enabled by default			
Jumbo frame support	Yes, up to 9600MTU			
PORT FEATURES				
Port Sensing	Auto negotiation			
Auto Crossover	MDI / MDIX (allow to use straight or cross wired cable)			
Auto Sensing	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)			
Ethernet Port Speed	100/1000Mbps LED			
Device	Status LED (Green / Red LED)			
Power	Status LED (Green / Orange / Red LED)			
PoE (Supply)	Status LED (Green / Orange / Red LED)			
RLinkX	Status LED (Blue)			

**TECHNICAL SPECIFICATIONS**

MANAGEMENT	GigaCore 12	GigaCore 14R	GigaCore 16Xt	GigaCore 16RFO
Configuration	Through the built-in web server		Through the built-in web server or with the front end display menu	
<b>POWER INPUT</b>				
Power Input	■ 100-240VAC ■ 50-60Hz			
Backup Power Input	✘	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		100 - 240VAC on Neutrik PowerCon True1 connector
Power Consumption	■ Maximum 30W ■ Maximum 180W with PoE Supply Unit			
Fuse	3.15A 250V Slow Blow			
<b>ENVIRONMENTAL</b>				
Operating Temperature	0 to +50 °C			
Storage Temperature	-10 to +70 °C			
Humidity (non condensing)	5 to 95 % RH			
<b>PHYSICAL</b>				
Enclosure	Metal housing			
Dimensions (W x D x H)	■ 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"			■ 510 x 410 x 136 mm ■ 20.07" x 16.14" x 5.35"
Weight	2.5Kg			4.9Kg
<b>APPROVALS</b>				
CE	✓			
EN 55103-1	✓			
EN 55103-2	✓			
EN 60950-1	✓			
RoHS Compliance	✓			