Network Switches
Specifications (1/2)

Luminex
Network Intelligence

Connectivity	GigaCore 16Xt	GigaCore 14R	GigaCore 12
Network	12 x 10/100/1000Mbps shielded Neutrik Ethercon connectors 10 on the front, 2 at the rear 4 x SFP cages, compliant with 10/100/1000Mbps Mini GBIC transceiver 1 x serial RJ45 console port 1 x RJ45 expansion port	12 x 10/100/1000Mbps shielded Neutrik Ethercon connectors 10 on the front, 2 at the rear 2 x SFP cages, compliant with 10/100/1000Mbps Mini GBIC transceiver 1 x serial RJ45 console port	12 x 10/100/1000Mbps shielded Neutrik Ethercon connectors 10 on the front, 2 at the rear
Power	1 x IEC inlet with fuse holder 1 x redundant power input on Molex Micro-Fit 6 pins connector 1 x redundant PoE input on Molex Micro-Fit 6 pins connector	1 x IEC inlet with fuse holder 1 x redundant power input on Molex Micro-Fit 6 pins connector 1 x redundant PoE input on Molex Micro-Fit 6 pins connector	1 x IEC inlet with fuse holder

Switch Features			
RLinkX (Link redundancy)	✓	✓	✓
Groups (Segmentation)	✓ (Available in a future release)	✓ (Available in a future release)	✓ (Available in a future release)
MultiLinkX (Link aggregation)	✓ (Available in a future release)	✓ (Available in a future release)	✓ (Available in a future release)
PoE Supply on the front ports	Optional (Requires LU 01 00051-GC14/16 PoE supply) Up to 100W spread on the ten front ports	Optional (Requires LU 01 00051-GC14/16 PoE supply) Up to 100W spread on the ten front ports	Optional (Requires LU 01 00051-GC12 PoE supply) Up to 100W spread on the ten front ports
Fan	2	2	1
Ethernet Compliance	IEEE 802.3, IEEE 802.3u, IEEE 802.3x Flow Control, IEEE 802.3ab Gigabit Ethernet	IEEE 802.3, IEEE 802.3u, IEEE 802.3x Flow Control, IEEE 802.3ab Gigabit Ethernet	IEEE 802.3, IEEE 802.3u, IEEE 802.3x Flow Control, IEEE 802.3ab Gigabit Ethernet
Supported Protocols	IEEE 802.1p CoS (Class of Service) PoE (802.3af) through optional module	IEEE 802.1p CoS (Class of Service) PoE (802.3af) through optional module	IEEE 802.1p CoS (Class of Service) PoE (802.3af) through optional module
Sound protocol compliance	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
Memory	4Mb	4Mb	4Mb
MAC Address Table	8192 Entries	8192 Entries	8192 Entries
Address Learning / Aging	Self learning, Auto aging	Self learning, Auto aging	Self learning, Auto aging
Switching Throughput	32Gbps	32Gbps	32Gbps
IGMP support	Yes (V1/V2)	Yes (V1/V2)	Yes (V1/V2)
IGMP Snooping	Available in a future release	Available in a future release	Available in a future release

Port Features			
Port Sensing	Auto negotiation	Auto negotiation	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)
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)

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)
Ethernet Port Speed	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)
Power	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)
RLinkX (Redundancy)	Status LED (Available in a future release)	Status LED (Available in a future release)	Optional - Status LED (Available in a future release)

Management			
Configuration	Through the built-in web server or with the front end display menu (available in a future release)	Through the built-in web server	Through the built-in web server

Power Input			
Power Input	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	✗
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 130W with PoE Supply Unit	Maximum 30W Maximum 130W with PoE Supply Unit	Maximum 30W Maximum 130W with PoE Supply Unit
Fuse	3.15A 250V Slow Blow	3.15A 250V Slow Blow	3.15A 250V Slow Blow

Network Switches
Specifications (2/2)

Luminex
Network Intelligence

Environmental	GigaCore 16Xt	GigaCore 14R	GigaCore 12
Operating Temperature	0 to +60 °C	0 to +60 °C	0 to +60 °C
Storage Temperature	-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
Physical			
Enclosure	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"
Packaging	520 x 235 x 50 mm	520 x 235 x 50 mm	520 x 235 x 50 mm
Weight	2.5Kg	2.5Kg	2.5Kg
Approvals			
CE	✓	✓	✓
EN 55103-1	✓	✓	✓
EN 55103-2	✓	✓	✓
EN 60950-1	✓	✓	✓
RoHS Compliance	✓	✓	✓
EN 60825-1 Safety of laser Products-Part 1	✓	✓	✕
EN 60825-2 Safety of laser products-Part 2	✓	✓	✕

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