Accessories for Myricom® SmartNIC Adapters

Transceivers and Cables

Key Features

- Industry-standard cables and transceivers qualified for performance and reliability when used with Myricom Adapters

- Transceivers are Class 1 Laser products and lead free compliant (RoHS-6)

Cables

ARIA Cybersecurity Solutions offers a wide selection of industry-standard cables to meet the needs of your network topology, protocol and size. These Ethernet cables are available in fiber and copper as well as in many different lengths. ARIA Cybersecurity also stocks SFP+ terminated "direct attach" copper cables (no transceivers) in a variety of lengths as a lower cost alternative to using SFP+ transceivers and optical-fiber cables.

Transceivers

ARIA Cybersecurity sells industry-standard SFP+ (Small Form factor Pluggable 10.3125 GBaud) and XFP optical-fiber transceivers. Some of these transceivers have Myricom labeling and some have the manufacturers' standard labeling. All transceivers sold have been qualified for performance and reliability when used with our Myricom adapters.

Consistent with the original SFP+/XFP multi-source agreement (MSA), these hot-pluggable transceivers have a common mechanical specification, pinout, and management interface, and connect to duplex serial fiber with "LC" connectors (SFP+).

The 10GBase-SR transceivers operate at an 850nm optical wavelength, and are designed for 50μm (50/125) multimode fiber at distances of 26-82m depending upon the fiber, or at distances up to 300m over 50μm 2000MHz·km multimode fiber.

The 10GBase-LR transceivers operate at a 1310nm optical wavelength, and are designed for 9μm (9/125) single-mode fiber up to 10km, but are commonly used up to larger distances with high-quality fiber.

KEY SPECIFICATIONS FOR TRANSCEIVERS

Tranceiver Part Number	Description	ARC B	ARC B (TXO only)	ARC C	ARC D	ARC E	SIA	SIA Express
10G-SFP-SR	Optical-Fiber SFP+ transceiver for 10GBase-SR (850nm wavelength).	✓	✓	✓	✓	✓	✓	✓
10G-SFP-SR TAA	TAA Compliant Optical-Fiber SFP+ transceiver for 10GBase-SR (850nm wavelength.)	✓	✓	✓	✓	✓	✓	✓
10G-SFP-LR	Optical-Fiber SFP+ transceiver for 10GBase-LR (1310nm wavelength)	✓	✓	✓	✓	✓	✓	✓
25G-SFP-SR	Optical-Fiber SFP+ transceiver for 25GBase-SR (850nm wavelength)						✓	✓
1-10G-TX	MSA and TAA Compliant 100/1000/10000Base-TX SFP+ Transceiver (Copper, 30m, RF-45)	✓	✓	✓	✓	✓	✓	✓

SPECIFICATIONS AND ORDER DETAILS

Regulatory Approvals, Compliance	Both the 10GBase-SR and 10GBase-LR SFP+ transceivers are Class 1 Laser Products (no biological hazard). These devices are Reduction of Hazardous Substances (RoHS) compliant lead-free (RoHS-6).
Power	SFP+: Less than 1W typical. XFP: 1.4W typical SFP+ transceivers and components that use SFP+ transceivers are preferred for 10GBase-SR and 10GBase-LR applications.
Temperature Limits	Operating: 0C to 70C case temperature. Storage: -40C to 85C
Weight	SFP+ transceivers: 20g (0.44lb).

TRANSCEIVER PART NUMBERS

10G-SFP-SR	Optical-Fiber SFP+ transceiver for 10GBase-SR (850nm wavelength).
10G-SFP-SR TAA	TAA Compliant Optical-Fiber SFP+ transceiver for 10GBase-SR (850nm wavelength.) TAA refers to the Trade Agreements Act (19 U.S.C and 2501-2581)
10G-SFP-LR	Optical-Fiber SFP+ transceiver for 10GBase-LR (1310nm wavelength)
25G-SFP-SR	Optical-Fiber SFP+ transceiver for 25GBase-SR (850nm wavelength)
1-10G-TX	MSA and TAA Compliance 100/1000/10000Base-TX SFP+ Transceiver (Copper, 30m, RF-45) MSA (Muiti-Source Agreement), TAA refers to the Trade Agreement Act (19 U.S.C and 2501-2581)

Note: MSA is the (Multi-Source Agreement) and TAA refers to the Trade Agreements Act (19 U.S.C and 2501-2581)

ORDER DETAILS	
LC-CONNECTORIZED DUPLEX 50/125 MULTIMODE FIBER CABLES FOR 10GBASE-SR (850NM XFP OR SFP+) SERIAL LINKS	
10G-SR-1M	Multimode Fiber cable - 1 meter in length
10G-SR-3M	Multimode Fiber cable - 3 meters in length
10G-SR-5M	Multimode Fiber cable - 5 meters in length
10G-SR-10M	Multimode Fiber cable - 10 meters in length
10G-SR-25M	Multimode Fiber cable - 25 meters in length
10G-SR-LOOPBACK	Loopback test device
SFP+ TERMINATED PASSIVE COPPER "DIRECT ATTACH" CABLES TO CONNECT BETWEEN SFP+ PORTS	
10G-SFPDA-1M	Twinax, 32AWG cable - 1 meter in length
10G-SFPDA-3M	Twinax, 28AWG cable - 3 meters in length
10G-SFPDA-5M	Twinax, 24AWG cable - 5 meters in length
10G-SFPDA-7M	Twinax, 24AWG cable - 7 meters in length

Note: for cable lengths up to 7m, these copper cables are a lower cost alternative to using SFP+ transceivers and optical-fiber cables.

Contact Us to Schedule a Technical Demonstration or Arrange an Evaluation ✉ ARIAsales@ariacybersecurity.com

ABOUT ARIA CYBERSECURITY SOLUTIONS

ARIA Cybersecurity Solutions recognizes that better, stronger, more effective cybersecurity starts with a smarter approach. Our solutions provide new ways to monitor all internal network traffic, while capturing and feeding the right data to existing security tools to improve threat detection and surgically disrupt intrusions. Customers in a range of industries rely on our solutions each and every day to accelerate incident response, automate breach detection, and protect their most critical assets and applications. With a proven track record supporting the Department of Defense and many intelligence agencies in their war on terror, and an award-winning portfolio of security solutions, ARIA Cybersecurity Solutions is committed to leading the way in cybersecurity success.

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