



FiberLink® 5100A Gigabit Ethernet Transceiver



Transport 10/100/1000 Base-T Ethernet over 1 or 2 single mode or multimode fibers using SFPs

The FiberLink 5100A transmits 10/100/1000 Base-T Ethernet over one single mode or multimode fiber optic cable depending on the selected SFP. The 5100A is compatible with other fiber-based Gigabit Ethernet transceivers including the InfinityLink ILC205.

The FiberLink 5100A supports both full and half duplex modes and is ideal for IT, broadcast, and Pro A/V architectures.

FEATURES

Auto-sensing 10/100/1000 Mbps Ethernet port with Auto MDIX

IEEE 802.3, IEEE 802.3u, IEEE 802.3az & IEEE 802.3z

Full-duplex and half-duplex

Supports Jumbo frames to 9K Bytes

LEDs indicate Link Activity, SPD, Fault Detection/ Collisions, and Power

Single mode & multimode versions available

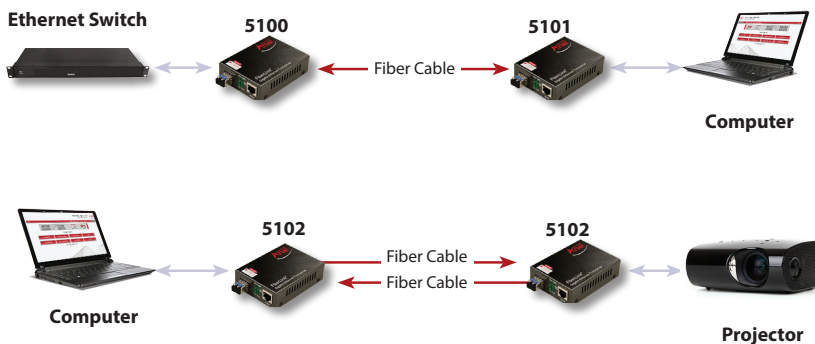
One or two fiber versions available

To 1km on Multimode

To 40km+ on Single mode*

Compact design, wall mountable

Ideal for IT, broadcast, pro A/V and any application that requires reliable transmission of 10/100/1000 Ethernet data



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■ SPECIFICATIONS

Transmission Distance & Loss Budgets

Part Number	SFP Part Number #	TX Wavelength	Fiber Cores & Type	Class	Artel Loss Budget	Artel Typical Distance*
5100A-B7L	ILSC3149E1G-14	1310nm	1 SM or MM	BX-U	14dB min	1k MM, 40km SM
5101A-B7L	ILSC4931E1G-14	1490nm	1 SM or MM	BX-D	14dB min	1k MM, 40km SM
5102A-B7L	ILS1310E1G-14	1310nm	2 SM or MM	EX	14dB min	1k MM, 10km SM
5102A-B1L	ILS0850E1G-10	850nm	2 MM	SX	10dB min	500 meters MM

*Distance specifications are only approximate and are not guaranteed. Operating loss budget must not be exceeded. SFP required, included. Other SFP combinations available.

General Specifications

Maximum Speed (1000Base-Tx/Rx)	Full Duplex: 2000Mbps Half Duplex: 1000Mbps
Packet Forwarding Rate	14,880 pps@10Mbps 148,800 pps@100Mbps 1,488,000 pps@1000Mbps
Connectors	Copper: RJ-45(Auto-MDI / MDI-X) Fiber Optic: LC type Power: Coaxial 5.5 x 2.5 mm, center (+)
LEDs	Power, Full/Half Duplex, Speed 1 Gb/s, 100 Mb/s, SFP Link, RJ-45 Link
Power	Input: 5V @ 500ma, 2.5 watts 8.5 BTU/Hr
Operating Temperature Range	0 to +50 C
Operating and Storage Humidity	10% to 90% relative humidity (non-condensing)
Weight	1 pound, 0.5 kg
Dimensions	3.7" x 2.7" x 1" (93mm x 68mm x 25mm)
PDPS-USB-5V1A Power Supply	
Voltage	100 – 250 VAC 50/60 Hz
Current	0.2 Amps
Compliance	Level VI, CoC Tier 2, UL, FCC, CE
Mains Connection	interchangeable blades (North America, Europe, UK, Australia, China)
Output Connector	USB type A, 5V @ 1Amp maximum (DC Output Cable included)



CS206-5100A_C



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All specifications subject to change without notice. ©2018



Ordering Information

Part Number	Description
5100A-B7L	Ethernet Transceiver, 1xSM/MM 1310nm, SFP, Power Supply
5101A-B7L	Ethernet Transceiver, 1xSM/MM 1490nm, SFP, Power Supply
5102A-B7L	Ethernet Transceiver, 2xSM/MM 1310nm, SFP, Power Supply
5102A-B1L	Ethernet Transceiver, 2xMM 850nm, SFP, Power Supply

Power Supply (included)

PDPS-USB-5V1A Universal AC-DC Power Supply for 5100A Series

Sales



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