

1Gb Ethernet Copper SFP Transceiver

2A-143G

The 2A-143G 1Gb Ethernet Copper SFP Transceiver is designed for 1 Gigabit Ethernet environments, enabling standard Cat 5e/6/6a UTP copper cable connections through a network switch's SFP port. Supporting transmission distances of up to 100 meters, the 2A-143G features a hot-pluggable form factor with a standard RJ-45 interface for flexible deployment in copper-based infrastructures. Compliant with IEEE 802.3ab specifications, it is a cost-effective, high-performance solution for extending Ethernet connectivity in environments where fiber is unavailable or unnecessary. It's ideal for office environments or IT deployments that rely on existing copper infrastructure.



Features

- Supports 1000Mb/s data transmission over Cat 5e UTP cable
- Provides 1GbE connectivity up to 100 meters over Cat 5e/6/6a (UTP)
- Compliant with IEEE802.3ab specifications
- Enables network redundancy in all-copper architectures
- Hot pluggable for quick and easy installation
- Low power consumption under 1W
- Operation Temperature from -40° C to 85° C
- RoHS compliant

Specifications

	2A-143G
Ethernet Copper SFP	
Form Factor	SFP
Max. Data Rate	1000Mbps
Connector Type	RJ-45
Media	Cat 5e/6/6a (UTP)
Max. Cable Distance	100 m
Protocols	Compliant with IEEE802.3ab specifications
Environmental	
Operating Temperature	-40 – 85 °C
Storage Temperature	-45 – 90 °C
Physical Properties	
Weight	0.02 kg
Dimensions (L x W x H)	6.85 x 1.20 x 1.38 cm

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