

## 2A-143G

1Gb Ethernet Copper SFP Transceiver



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

- Provides 1GbE connectivity up to 100 meters over Cat 5e/6/6a (UTP)
- Compliant with IEEE 802.3ab 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**

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 IEEE 802.3ab specifications
Environmental	
Operating Temperature	-40°C ~ 85°C
Storage Temperature	-45°C ~ 90°C
Physical Properties	
Weight	0.02 kg ( 0.04 lb )
Dimensions (L x W x H)	6.85 x 1.20 x 1.38 cm (2.7 x 0.47 x 0.54 in.)
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

**ATEN International Co., Ltd.**

3F., No.125, Sec. 2, Datong Rd., Sijhih District., New Taipei City 221, Taiwan

Phone: 886-2-8692-6789 Fax: 886-2-8692-6767

www.aten.com E-mail: marketing@aten.com



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