

## 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<br>(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. |

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