

1000Mbps Standalone Media Converter



Converter

Product Features

Complies with IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-SX/LX Standards.
 TP port support Auto-MDIX & Auto-negotiation.
 Up to 100 meters for 1000Base-T Cat5, 5e or 6 twisted pair cable.
 Supports Full-duplex operation. (Gigabit Std)
 Switch base design support flow control capability.
 1000Base-SX interface for up to 220 meters.
 (Multi-mode 62.5/125 μ m MMF optic cable)
 1000Base-SX interface for up to 550 meters.

(Multi-mode 50/125 μ m MMF optic cable)
 1000Base-LX interface for up to 40 km.
 (Single-mode 9/125 μ m SMF optic cable)
 LED indicator supports.
 Multiple fiber connector supports.
 (SC, LC, GBIC, SFP LC...etc)
 Can be installed on media converter chassis.

Interface

Part Number Note 1	Bit Rate (Mbps)	Wavelength (nm)	Media	Distance	TX Power (dBm)	RX Sens. (dBm)
FLG-350C	1250	850	MMF	220/550 m	-4~-9.5	<-18
FLG-350C10	1250	1310	SMF	10 km	-3~-9.5	<-20
FLG-350C20	1250	1310	SMF	10 km	-3~-9.5	<-20
FLG-350C30	1250	1310	SMF	20 km	-3~-9.5	<-20
FLG-350C40	1250	1550	SMF	40 km	1~-4	<-23
FLG-350C60	1250	1550	SMF	60 km	5~0	<-23
FLG-350C80	1250	1550	SMF	80 km	5~0	<-23
FLG-350C100	1250	1550	SMF	100 km	5~0	<-30
FLG-313C10	1250	TX:1310/RX:1550	SMF	10 km	-3~-9.5	<-20
FLG-315C10	1250	TX:1550/RX:1310	SMF	10km	-3~-9.5	<-20
FLG-350L	1250	850	MMF	220/550 m	-4~-9.5	<-17
FLG-350L10	1250	1310	SMF	10 km	-3~-9.5	<-20
FLG-350L20	1250	1310	SMF	20 km	\geq -7	<-23
FLG-350L20A	1250	1550	SMF	20 km	\geq -9.5	<-20
FLG-350L40	1250	1550	SMF	40 km	\geq -3	<-27
FLG-350L60	1250	1550	SMF	60 km	\geq -5	<-27

Technical Specifications

Standards : IEEE 802.3ab 1000Base-T
 : IEEE 802.3z 1000Base-SX/LX
Media support : 1000BASE-T Cat5, 5e or 6 UTP/STP
 : 1000Base-SX Multi-mode 50/125 μ m &
 62.5/125 μ m MMF
 : 1000Base-LX Single-mode 9/125 μ m SMF
Distances support: Twisted pair STP 100 meters / 328ft.
 : 220m for 62.5/125 μ m MMF optic cable
 : 550m for 50/125 μ m MMF optic cable
 : 40km for 9/125 μ m SMF optic cable.
Wavelength : 850nm for 1000Base-SX & 1310nm for
 1000Base-LX

Data Transfer Rate : 1000Mbps
LED indicators : System - power
 : Twisted pair port – Link & TX LEDs
 : Fiber port – Link & RX LEDs
Temperature : 0°C to 60°C (Operating)
 : -20°C to 90°C (Storage)
Humidity : 10% to 90% (Non-condensing)
Power consumption : 5.2 Watts (max)
Power Requirement : 5V DC 1.4A
Certifications : FCC Class A, CE Mark
Dimensions : 102 mm x 74 mm x 22 mm (L x W x H)
Weight : 240g (No power adapter)