BT321PG1F-SM-20KM

1-Port Gigabit PoE media converter

Datasheet

Key Features:

--- Complies with IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab/z 1000BASE-T, IEEE802.3af/at

--- TP port supports 10/100/1000BASE-T auto-negotiation and auto-MDI/MDI-X

--- 1000BASE-T: 5e/6 UTP cable, up to 100 meters

--- Wall Mountable design

--- LED indicators for easy network diagnostics

--- Compact in size, easy installation

Introduction

This BT321PG1F-SM-20KM PoE gigabit media converter extends network distance with highly Gigabit performance via fiber optic cable. It provides media conversion between 10/100/1000BASE-T and 1000BASE-SX/LX interfaces. There are SC/SFP/WDM connectors with single-mode or multi-mode media for different distance solution as required. The Ethernet signal allows three types of segments to connect easily, efficiently and inexpensively. As this Gigabit Media Converter fully complies with IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T and IEEE 802.3z 1000BASE-LX/SX, the Gigabit media conversion installation is quite quick and easy with its plug and play feature. The BT321PG1F-SM-20KM also supports flow control and back pressure in half-duplex to eliminate packet loss.

The fiber port of the converter operates at 1310 /1550nm with SC connectors. Multi-mode models that support distances up to 550m and single-mode models that support distances up to 100km more are available which it can save more installation..

Easy Installation

This BT321PG1F-SM-20KM is with PoE features supported and can power the networking products without any power cables. It provides Maximun power budget of 45W and 30W for single PoE ports sepectively,allowing users to have several different Networking products configured.As the Gigabit Media Converter fully complies with IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T and IEEE 802.3z 1000BASE-LX/SX, the Gigabit media conversion installation is quite quick and easy with its plug and play feature. The fiber converter also supports flow control and back pressure in half-duplex mode to eliminate packet loss.

BT321PG1F-SM-20KM
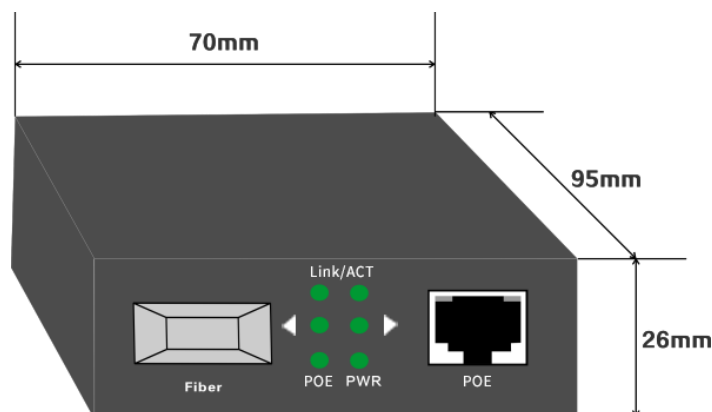
10/100/1000Mbps PoE Fiber Media Converter

Technical Datasheet

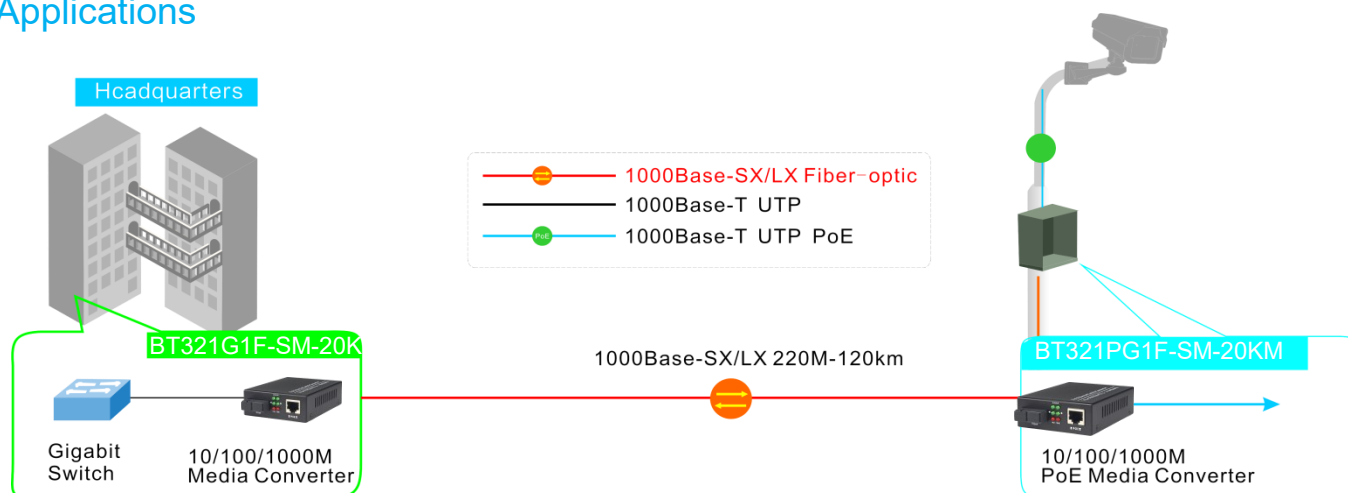| Model	BT321PG1F-SM-20KM	
Hardware Specifications		
Connector	1*10/100/1000BASE-T RJ45 auto MDI/MDIX ports (PoE+) 1*1000 Base-X SC	
Processing types	Store and forward	
LED Display	Power Indicator: PWR(green). Network Indicator: Link(green) Fiber: Green	
Thermal Fan	Fanless Design	
Network Standard	IEEE802.3i 10 BASE-T IEEE802.3u 100 BASE-TX IEEE802.3ab/z 1000 BASE-TX IEEE802.3af Power over Ethernet IEEE802.3at Power over Ethernet IEEE802.3x Flow Control IEEE802.3az EEE	
PoE Standard	IEEE 802.3af Power over Ethernet/PSE IEEE 802.3at Power over Ethernet Plus/PSE	
PoE Supply Type	1/2(+), 3/6(-) End-span	
PoE Power Output	Per Port 52V DC, 300mA. max. 15.4 watts (IEEE 802.3af) Per Port 52V DC, 600mA. max. 30 watts (IEEE 802.3at)	
PoE Power budget	45W	
Jumbo Frame	9K	
Transmission model	IEEE802.3X full-duplex and Backpressure half-duplex	
Switch Performance	Backplane bandwidth	10Gbps
	Packet forwarding rate	2.98Mpps
	MAC address	4k
Power requirement	DC 48~52V	
ESD Protection	6KV ESD	
Dimension (W x D x H)	70 x 90 x 26mm(2.76in*3.54in*1.02in)	
Weight	<0.3kg	
Environment	Operating temperature: -20℃~55℃，operating humidity: 5％~95％ Storage temperature: -40℃~75℃，storage humidity: 5％~95％	
Safety	FCC Part15 Class A,CE.RoHs	

Interfaces and Structure Diagrams

Applications

Ordering Information	
BT321PG1F-SM-20KM	1ch 10/100/1000BASE-T to 100/1000BASE-X PoE Fiber Converter.SC Connector

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