BORN
elegant creation

10/100/1000Mbps Single Fiber

Media Converter

Hot Pluggable

Chaasis Installation

6KV Lightning Protection

EXCLUSIVE 2YEAR WARRANTY

BORN *elegant creation*

Media Converter

10/100/1000Base-Tx to 1000Base-Fx Bridging Converter
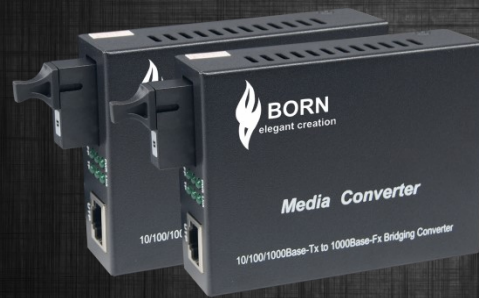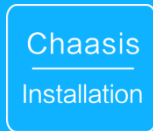
10/100/100

BT-321G1F-SM-20KM-AB

Key Features:

--- Complies with IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab/z 1000BASE-T,

--- 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 BT-321G1F-SM-20KM-AB 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 BT-321G1F-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 BT-321G1F-SM-20KM-AB fiber converter allows two types of the segment to connect easily. It can be used as a standalone unit when powered by its DC adapter or used as a slide-in module to 14-slot media converter chassis. These media chassis can assist in producing the power for the converters to maintain the fiber-optic network at one location. 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.

BT-321G1F-SM-20KM-AB
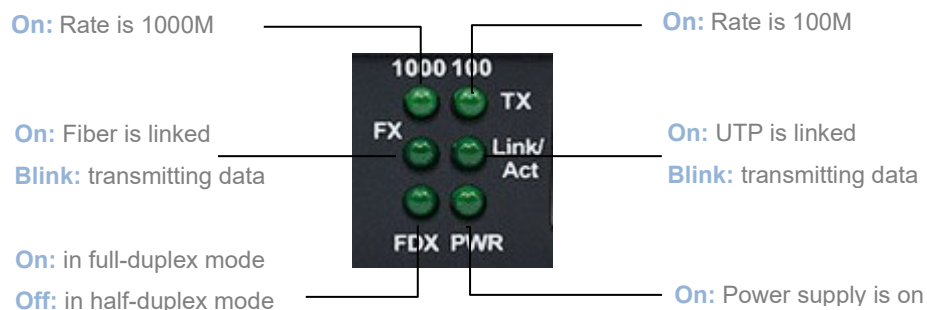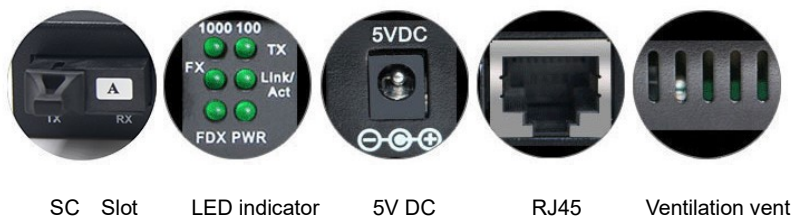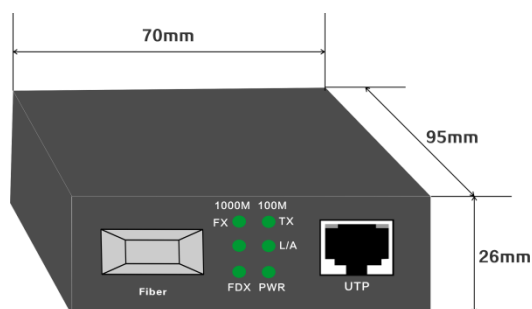
10/100/1000Mbps Single Fiber Media Converter

Technical Datasheet

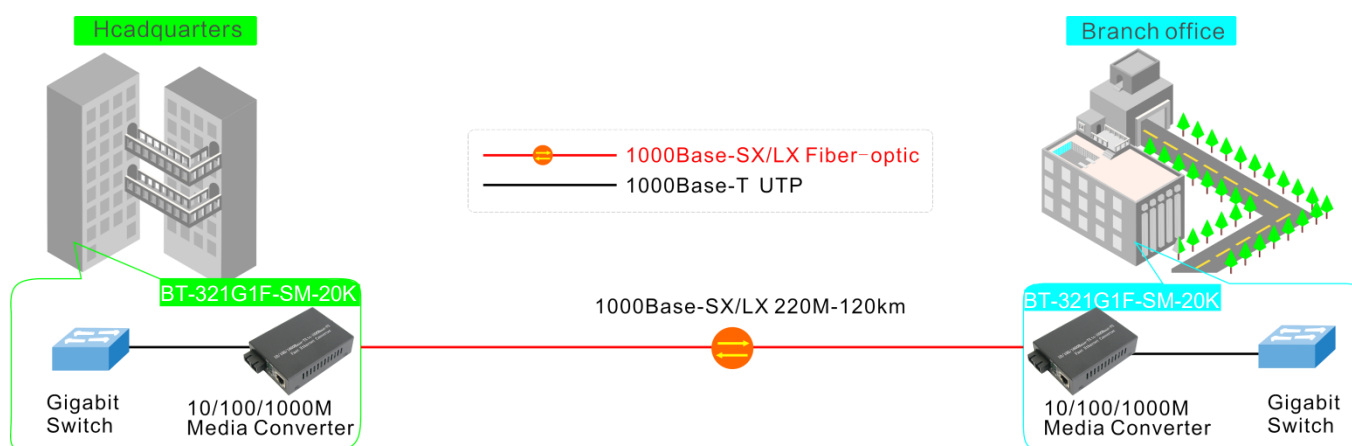| Model	BT-321G1F-SM-20KM-AB	
Hardware Specifications		
Connector	1*10/100/1000BASE-T RJ45 auto MDI/MDIX ports 1*1000 Base-X SC	
Processing types	Store and forward	
LED Display	Power Indicator: PWR(green). Network Indicator: Link(green) Fiber: Green	
Thermal Fan	Fanless Design	
Network Standard	IEEE802.3i 10 BASE-T IEEE802.3u 100 BASE-TX IEEE802.3ab/z 1000 BASE-TX IEEE802.3x Flow Control IEEE802.3az EEE	
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 5V	
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

SC Slot   LED indicator   5V DC   RJ45   Ventilation vent

On: Rate is 1000M

On: Fiber is linked
Blink: transmitting data

On: in full-duplex mode
Off: in half-duplex mode

On: Rate is 100M

On: UTP is linked
Blink: transmitting data

On: Power supply is on

Applications

Hcadquarters

Branch office

1000Base-SX/LX Fiber-optic
1000Base-T UTP

BT-321G1F-SM-20K

1000Base-SX/LX 220M-120km

BT-321G1F-SM-20K

Gigabit Switch   10/100/1000M Media Converter

10/100/1000M Media Converter   Gigabit Switch

Ordering Information	
BT-321G1F-SM-20KM-AB	1ch 10/100/1000BASE-T to 1000BASE-X SC Fiber Converter,20KM,Single fiber,1310/1550nm