

## 10G Base-TX FIBER SLOT ETHERNET CONVERTER

### Overview

BSD offers 10Gbps Ethernet media converter RJ45 to SFP, RJ45 to XFP.

No matter what media are applied to 10Gbps Ethernet, the fiber is the engine for effective and fast transmission. 10G Ethernet standalone converter and module cards bring you the best and simple solution for the conversion between RJ45 and fiber, with the speed of 10G.

BC-10G-RJ has module cards allowing cascading multiple 16 channel chassis (2U rack) and using management at the same time with various Interfaces: SFP+ to RJ45 or XFP to RJ45.



### Key Features

- Support s Jumbo Frame
- Flawless transmission with very low delay
- Supporting ITUT prescribed DWDM/CWDM wavelength
- Supporting DMI function for SFP+/XFP fiber module
- Supporting Loopback test function
- Economic In-band Management function
- Powerful Network Management function (Web, SNMP, Console)
- Supporting hot plugging
- Supporting 2U Rack (16 channel) and standalone use
- Full State Led display
- Easy installation
- UTP cable length detection (only RJ45 interface)

### Key Advantages

- Fast connection with multi-function
- Provide reliable long-distance connection
- Port supported: SFP, SFP+, RJ45, XFP
- Small portable size case
- Plug and play without extra configuration

### Applications

- Connection between fiber to copper on 10Gbps Ethernet, for MM and SM transmission
- Providing protections against lightning and static electricity for Ethernet network and the network main system
- Providing additional network management options
- Telecommunication rooms, R&D laboratory, Data center, etc



### Converters Ordering Information

<b>BC-10G-SFP</b>	10GBase TX with SFP+ Slot Standalone Media Converter
<b>BC-10G-XFP</b>	10GBase TX with XFP Slot Standalone Media Converter

### LC Ordering Information

<b>BSD-SFP851</b>	10G 850nm, SFP+ Module MM 300m	<b>BSD-XFP851</b>	10G 850nm, XFP + Module, MM 300m
<b>BSD-SFP311</b>	10G 1310nm, SFP+ Module, SM 10km	<b>BSD-XFP311</b>	10G 1310nm, XFP + Module SM 10km

## Specifications

Modular card		 Type A	 Type B
Interface	Port A	SFP+	XFP
	Port B	RJ45	RJ45
Transmission Speed		10G	10G
Standards	IEEE802.3an(10GbaseTX) IEEE802.3ae(10Gbase-SR/LR/ER/ZR)	Access type	10G LAN
Transmission Distance	SFP+ module: Up to 80Km 10Gbase-T: 100meters Cat .6a cable		
Forwarding Rate (Max)	14,880,950/s		
Network Management Information	<ul style="list-style-type: none"> <li>• Card type information</li> <li>• SFP+ or XFP fiber module detection</li> <li>• SFP+ or XFP fiber module DMI function ( Temperature, Voltage, Optical power )</li> <li>• Link status detector</li> <li>• Enable/Disabled Loopback test function</li> <li>• Enable/Disable PRBS Generator and checker function</li> <li>• Rate select ( 10Gbase-Lan or Wan )</li> <li>• Remote card's status monitor ( only in pairs )</li> </ul>		
Power Requirement	Rack-mountable : AC 85 ~ 220V or DC -48V Standalone: AC 220V or DC -48V Power consumption: ≤9W		
Environmental Parameters	Operating Temp: 0~ 50 °C Storage Temp: -10~ 70 °C Humidity: 5%~90% ( non-condensing )		
Dimensions	Card : 11.5mm ( W)×78mm ( D) Standalone : 156mm ( W) ×128mm ( D)×32mm ( H)		

### Card Ordering Information

CARD-10GSFP	10GBase TX with SFP+ Slot Modular Card
CARD-10GXFP	10GBase TX with XFP Slot Modular Card