

# YAMASAKI Bi-Directional 10G SFP



**Palm sized, Powerful and Easy to use.**

The 10G Bi-Directional SFP is the next generation of SFP modules from Yamasaki. The 10G Bi-Directional SFP transceivers are lightweight, hot pluggable, and compact while still being able to support speeds of up to 10Gbp/s.

The 10G Bi-Directional SFP are simple to use and are a cost effective and environmentally friendly development.

All Yamasaki SFP's are compatible with most major switch brands and provide an instant hot pluggable fibre port for your switches.

The Yamasaki 10G Bi-Directional SFP's support digital optical monitoring (DOM) and digital diagnostic interface according to the SFP Multi-Source Agreement (MSA). This feature gives the end user the ability to monitor real-time parameters of the SFP, such as optical output power, optical input power, temperature, laser bias current and transceiver supply voltage.

## **Features:**

- Supports 9.95Gb/s to 11.3Gb/s bit rate
- Hot-pluggable SFP+ footprint
- Singlemode LC for Bi-Directional Transmission
- Maximum link length of 20km
- Built-in 1270/1330 WDM Filter
- Uncoiled 1270nm or 1330nm CWDM DFB laser
- Power dissipation <1.5W
- No Reference Clock required
- Built-in digital diagnostic functions
- Temperature range 0°C to 70°C, -40~85°C is available
- Very low EMI and excellent ESD protection
- RoHS Compliant Part

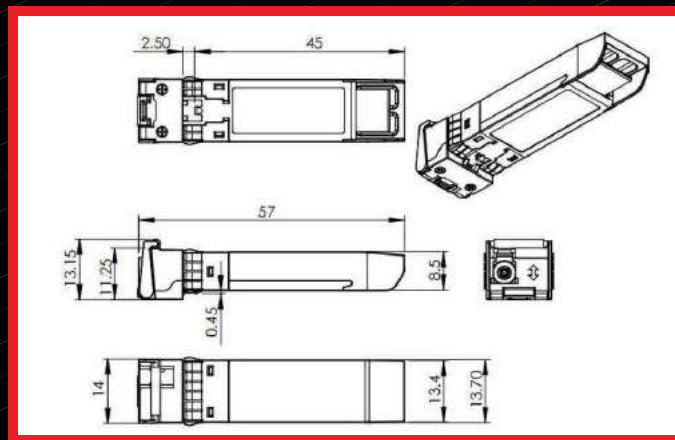


# Yamasaki BiDi 10G SFP

Model			10G BiDi SFPs			
SFP Type	Output Power Range (dbm)	Received Power Range (dbm)	Transmit and Receive Wavelength Range (nm)	Distance	Source	Connector
S+10GB10R	±3.0dBm	±3.0dBm	Tx1330nm Rx1270nm	10km	CWDM+ PIN	Simplex LC
S+10GB10T	±3.0dBm	±3.0dBm	Tx1270nm Rx1330nm	10km	CWDM+ PIN	Simplex LC

<b>Performance:</b>	-up to 11.3Gbps per channel bandwidth, 1 independent full-simplex channels, Aggregate bandwidth of > 10Gbps
<b>Operating Temperature:</b>	0°C to 70°C, -40~85°C
<b>Power Supply:</b>	Single + 3.3V Power Supply
<b>Application:</b>	10Gbps
<b>Cable Type:</b>	Singlemode

## Diagram:



Ordering Code:	Description:
S+10GB10R	Yamasaki 10G Single Fibre Bi-Directional SFP+ Transceiver LC - 10km (Tx1330nm/Rx1270nm CWDM+PIN)
S+10GB10T	Yamasaki 10G Single Fibre Bi-Directional SFP+ Transceiver LC - 10km (Tx1270nm/Rx1330nm CWDM+PIN)



**YAMASAKI**  
Optical Technology

More information and details visit  
[www.yamasakiot.com](http://www.yamasakiot.com)

Specifications and descriptions are  
subject to change without prior notice.

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