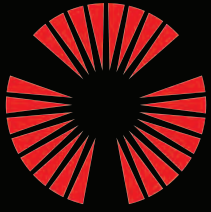


# YAMASAKI S+ Series

Hot Pluggable, Duplex LC, +3.3V



**YAMASAKI**  
Optical Technology

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

The S+ Series is the next generation in SFP modules from Yamasaki. These SFP+ transceivers are hot pluggable, compact and light-weight while still being capable of supporting speeds of up to 10Gbp/s. They are simple to use and are cost effective and environmentally friendly development drawing less power than XFPs and other high speed modules.

Yamaski's S+ Series is a very compact 10Gb/s optical transceiver module for serial optical communication applications at 10Gb/s. The S+ Series converts a 10Gb/s serial electrical data stream to 10Gb/s optical output signal and a 10Gb/s optical input signal to 10Gb/s serial electrical data streams. The high speed 10Gb/s electrical interface is fully compliant with SFI specification.

## Features:

- Support 9.95 to 11.3Gb/s bit rates
- Hot Pluggable
- Duplex LC Connector
- 2 wire interfacing for management specifications compliant with SFF 8472 digital diagnosis monitoring interface
- Compatible with more major brands
- Low voltage (3.3V)
- Compliant with:
  - SFF-8431
  - SFF-8432
  - IEEE 802.3ae



# YAMASAKI S+ Series

| SFP Type | Model            |                  |                |                    | S + Series |          |           |          |                           |
|----------|------------------|------------------|----------------|--------------------|------------|----------|-----------|----------|---------------------------|
|          | Wavelengths (TX) | Wavelengths (RX) | Power Max (TX) | Power Min (RX)     | RIN (TX)   | ORL (TX) | SRS / OMA | OMA (TX) | Frequency 3dB Cut Off Max |
| S+10G/SR | 840-860nm        | 840-860nm        | -7.3 to -1     | -11.1 to -1 (dBm)  | -128dB/Hz  | -12dB    | -7.5dBm   | -1.5dBm  | 12.3GHz                   |
| S+10G/LR | 1270-1355nm      | 1270-1355nm      | -8.2 to 0.5    | -14.4 to 0.5 (dBm) | -128dB/Hz  | -12dB    | -10.3dBm  | -5.2dBm  | 12.3GHz                   |
| S+10G/ER | 1530-1565nm      | 1260-1600nm      | -0.5 to 4      | -15.8 to -1 (dBm)  | -128dB/Hz  | -12dB    | -11.3dBm  | -2.1dBm  | 11.3Gbps                  |
| S+10G/ZR | 1530-1565nm      | 1260-1600nm      | 0 to 5         | -24 to -7 (dBm)    | -128dB/Hz  | -12dB    | -21.0dBm  | 1dBm     | 11.3Gbps                  |

|                     |             |
|---------------------|-------------|
| Storage:            | -40C to 85C |
| Operating Humidity: | 5 to 85 %   |
| Power Consumption:  | 1.5 W       |

| Ordering Code: | Description:            |
|----------------|-------------------------|
| S+10G/SR       | SFP+ 10G 850nm 300M LC  |
| S+10G/LR       | SFP+ 10G 1310nm 10km LC |
| S+10G/ER       | SFP+ 10G 1550nm 40km LC |
| S+10G/ZR       | SFP+ 10G 1550nm 80km LC |



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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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