



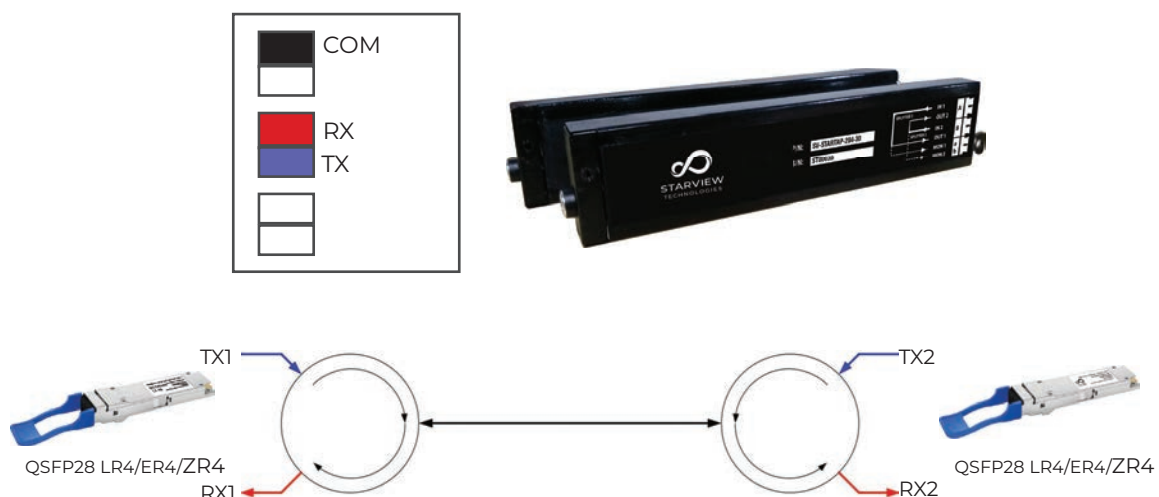
## Business Challenges

STARMUX-Mini consists of a circulator that allows customer to use one single strand of Singlemode optical cable for connecting to a 100G LR4/ ER4/ ZR4 Singlemode optic module. The TX1 and RX1 of one end is connected to the TX and RX port of the module, and the COM port is connected to the optical cable for transmitting to the other end. On the other end of the device, the TX2 and RX2 is connected to the TX and RX port of the module, to achieve the single fiber transmission. Each of the STARMUX-Mini supports 1 link of the transmission device for single fiber transmission. The key advantage is it's modular design where customer can install a 1U rack cable of inserting up to 24 x STARMUX-Mini. The modules are front accessible and are independent of each module operation. The chassis can also combine with our STARTAP for splitter applications. The STARMUX-Mini has been designed specifically with the customer's application, space constraint and accessibility in mind.

## Advantages

- STARMUX-Mini for transmitting 100GBase-LR4/ ER4/ ZR4 on one single fiber strand (Circulator)
- Supports 100Gbps LAN-WDM (LWDM) Singlemode wavelengths (1295.6 nm, 1300.1 nm, 1304.6 nm, and 1309.1nm)
- Cost effective solution to save fiber capacity by 50%
- 19" rack mount to house up to 24 modules
- Passive device without affecting the traffic operation

## Applications



## Specifications

Parameters	Value
Configuration	Port 1 to Port 2 to Port 3
Operating Wavelength	1310nm±30
Insertion Loss Typical	0.6dB to 0.8dB
Insertion Loss Maximum	1.0dB
Channel Peak Isolation	≥ 48dB
Channel Minimum Isolation	≥ 40dB
Channel Cross Talk	≥ 50dB
PDL	≤ 0.15dB
PMD	≤ 0.1ps
Return loss	≥ 50dB
Power Handling	300mW
Operating Temperature	0°C ~ +70°C
Storage Temperature	-40°C ~ +85°C
Colour	Black
Chassis Dimension	44mm x 482mm x 240mm 1RU
Chassis Weight	2.8kg
Module Dimension	189mm x 40mm x 13mm
Module Weight	0.1kg

## Ordering Information

### Chassis:

SV-STARTAP-19C

Starview 19" High Density 1U height STARTAP chassis. Allows upto 24 High Density STARTAP modules to be installed in a standard 19" rack

### STAMUX-MINI Modules:

Manufacturer: Starview

Type: Fiber Optic Circulator

Wavelength: 1310nm +/- 30nm

Connector Type: LC/APC

### Example:

SV-STARMUX-1310-LC

Starview 3 port High Density STARMUX-Mini 9/125um singlemode circulator with 2 x Input for TX and RX ports (LC/UPC) and 1 x COM (TX + RX) output port (LC/APC)

SV - STARMUX - 1310 - LC

