

**Features**

- Up to 11.1Gbps Data rate per channel
- Maximum link length of 300m links on OM3 multimode fiber
- High Reliability 850nm VCSEL technology
- Electrically hot-pluggable
- Electrical interface compliant to SFF-8431
- Case operating temperature range:0°C to 70°C
- Power dissipation < 1.0W per cable end



**Applications**

- 10G Ethernet
- Infiniband QDR
- Fiber channel
- HPC Interconnections

**Absolute Maximum Ratings**

Parameter	Symbol	Min.	Typ.	Max.	Unit	Note
Storage Temperature	Ts	-40	-	85	°C	
Relative Humidity	RH	5	-	95	%	
Power Supply Voltage	VCC	-0.3	-	4	V	
Signal Input Voltage		Vcc-0.3	-	Vcc+0.3	V	

**Recommended Operating Conditions**

Parameter	Symbol	Min.	Typ.	Max.	Unit	Note
Case Operating Temperature	Tcase	0	-	70	°C	Without air flow
Power Supply Voltage	VCC	3.14	3.3	3.46	V	
Power Supply Current	ICC	-		300	mA	per cable end
Data Rate	BR		10.3125		Gbps	

**General Product Characteristics**

Parameter	Value	Unit	Notes
Module Form Factor	SFP+		
Maximum Data Rate	11.1	Gb/s	
Standard Cable Lengths	3, 5, 7, 10, 50, 100	meters	Other lengths may be available upon request (<= 300m)

Protocols Supported	Typical applications include Infiniband, Fibre Channel, 10G Ethernet		
Electrical Interface and Pin-out	20-pin edge connector		Pin-out as defined by the SFP+ MSA
Standard Optical Cable Type	Multimode ribbon fiber cable assembly		
Maximum Power Consumption per End	1.0	W	per cable end
Management Interface	Serial, I2C-based, 400 kHz maximum frequency		As defined by the SFP+ MSA

## Electrical Characteristics

Parameter	Symbol	Min	Typ	Max	Unit	NOTE
Supply Voltage	VccT,VccR	3.14	3.3	3.46	V	
Supply Current	Icc			300	mA	
<b>Transmitter</b>						
Differential data input swing	V <sub>in,pp</sub>	180		1000	mV	1
Single ended input voltage tolerance	V <sub>inT</sub>	-0.3		4.0	V	
<b>Receiver</b>						
Differential data output swing	V <sub>out,pp</sub>	300		850	mV	2
Single-ended output voltage		-0.3		4.0	V	

### Notes:

1. AC coupled internally. Self-biasing 100Ω differential input.
2. AC coupled with 100Ω differential output impedance.

## Ordering Information

Part number	Description
SV-SFPP-10GT3-T3-1M	Starview SFP+ Active Optical Cable module supporting Gigabit Ethernet 1GE/10GE, Fiber Channel 1G/ 2G/ 4G/ 8G, distance up to 1m
SV-SFPP-10GT3-T3-3M	Starview SFP+ Active Optical Cable module supporting Gigabit Ethernet 1GE/10GE, Fiber Channel 1G/ 2G/ 4G/ 8G, distance up to 3m
SV-SFPP-10GT3-T3-5M	Starview SFP+ Active Optical Cable module supporting Gigabit Ethernet 1GE/10GE, Fiber Channel 1G/ 2G/ 4G/ 8G, distance up to 5m
SV-SFPP-10GT3-T3-7M	Starview SFP+ Active Optical Cable module supporting Gigabit Ethernet 1GE/10GE, Fiber Channel 1G/ 2G/ 4G/ 8G, distance up to 7m
SV-SFPP-10GT3-T3-10M	Starview SFP+ Active Optical Cable module supporting Gigabit Ethernet 1GE/10GE, Fiber Channel 1G/ 2G/ 4G/ 8G, distance up to 10m
SV-SFPP-10GT3-T3-15M	Starview SFP+ Active Optical Cable module supporting Gigabit Ethernet 1GE/10GE, Fiber Channel 1G/ 2G/ 4G/ 8G, distance up to 15m