

QSFP+ PRODUCTS

Driving Your Next Generation DataCenter

QSFP+ Extender (up to 80KM)

APPLICATIONS

- QSFP+ long distance link
- InfiniBand 4X SDR, DDR, QDR and FDR
- Ethernet 10G, 40G
- FiberChannel 10G, 40G, SAN, 4X16G
- Rack-to-Rack, Shelf-to-Shelf Interconnect
Top of Rack (TOR) and Core Switch

STANDARDS COMPLIANCE

QSFP+ End













- Electrical: IBTA V2 Revision 1.2.1 and 1.3
- IEEE 802.3ba
- SFF-8436

SFP+ End

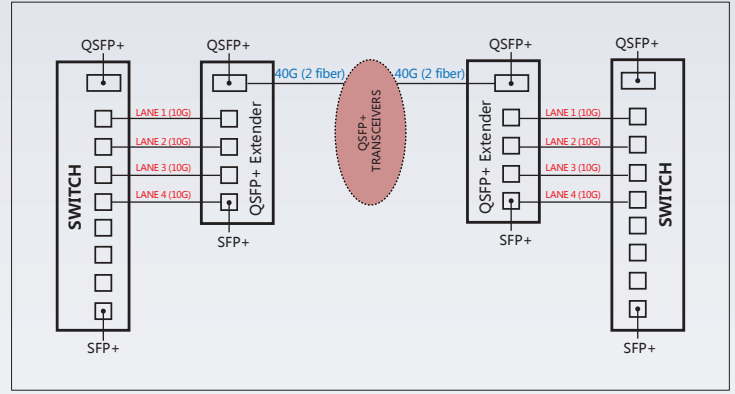
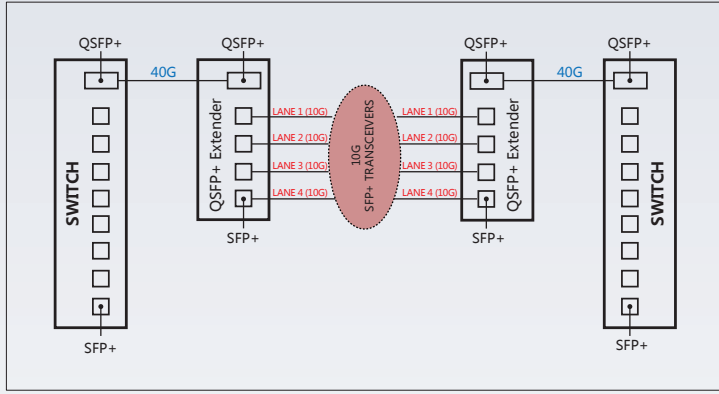
- SFF-8431
- SFF-8432
- SFF-8472
- RoHS

10Gtek's QSFP+ Extender is applied to longer distance transmission. The advantages of 10Gtek's QSFP+ Extender reflected in 2 points: a. It can reach up to 80km while most similar products reach 10km; b. It can save fiber without CWDM system and let the 2 host's 4x SFP+ ports be linked by being converted into one QSFP+ port.

These QSFP+ Extenders provides two version designs— "Small box" and "1U Chassis box", for different application environment. "Small box" has a DC 3.3V power interface; "1U Chassis Box" has an AC 110V—240V power interface and CDR option is available.

QSFP+ Solution	Length
 QSFP+ DAC	0.5~7m
 QSFP+ DAC (Active)	0.5~10m
 QSFP+ AOC	1~100m
 QSFP+ SR4 +  MPO	>150m
 QSFP+ LR4 +  LC	>10km
 QSFP+ ER4 +  LC	>40km
 QSFP+ Extender +  80km SFP+ Transceivers +  LC	>80km

Application:



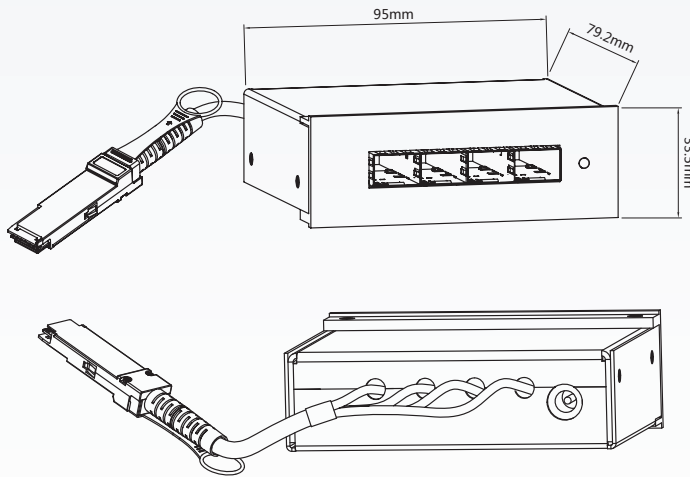
I. To transmit up to 80km distance using the QSFP+ extender.

- From switch to QSFP+ extender, connect the QSFP+ ports with either QSFP+ DAC or QSFP+ AOC or QSFP+ transceiver.
- Between two extenders, connect the 4x SFP+ ports with SFP+ transceivers.
- Use SFP+ ZR transceivers to achieve 80km transmission.

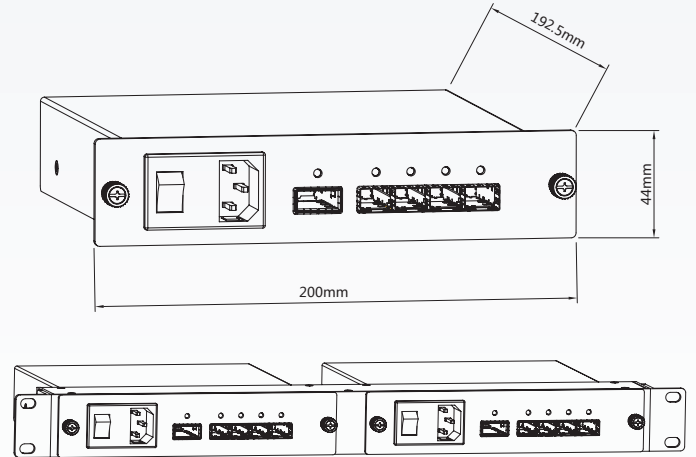
II. To save fiber using QSFP+ extender.

- From switch to QSFP+ extender, connect the SFP+ ports with either SFP+ DAC or SFP+ AOC or SFP+ transceiver.
- Between two extenders, connect the QSFP+ ports with QSFP+ transceivers.
- Use QSFP+ LR4 to achieve 10km transmission with only one LC fiber.

Mechanical Dimensions:



CVT-Q01-0xx
QSFP+ Extender Box



CVT-OE0-Q/4S
QSFP+ Extender for 1U

Ordering Information:

P/N	Description
CVT-OE0-Q/4S0C	QSFP+ to 4x SFP+ Extender, for 1U Chassis, passive
CVT-OE0-Q/4S1C	QSFP+ to 4x SFP+ Extender, for 1U Chassis, active, with cdr
CVT-Q01-030	QSFP+ to 4x SFP+ Extender box, 30cm QSFP+ pigtail
CVT-Q01-050	QSFP+ to 4x SFP+ Extender box, 50cm QSFP+ pigtail