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# CFP2 DCO

CFP2 DCO 400G QSFP-DD 200G QSFP56 100G QSFP28 40G QSFP+ 25G SFP28 10G SFP+ AOC/DAC  
 XGSPON&GPON COMBO OLT Transceiver XGPON&GPON COMBO OLT Transceiver XGSPON Transceiver 10G EPON Transceiver  
 GPON Transceiver GPON ONU STICK EPON Transceiver

# 400G QSFP-DD

CFP2 DCO 400G QSFP-DD 200G QSFP56 100G QSFP28 40G QSFP+ 25G SFP28 10G SFP+ AOC/DAC  
 XGSPON&GPON COMBO OLT Transceiver XGPON&GPON COMBO OLT Transceiver XGSPON Transceiver 10G EPON Transceiver  
 GPON Transceiver GPON ONU STICK EPON Transceiver

## DESCRIPTION



### Feature:

- Reach beyond 1000/2000 km over SMF for 200G/100G transmission
- Support PM-16QAM(200G) PM-DQPSK/PM-QPSK(100G) Modulation
- Support SD- FEC
- Support 100G/200G Flex-rate
- OTU4/OTUC2/2\* 100GE/100GE Signaling Supported
- Compliant CEI- 28G- MR Specifications
- Compliant OTL4.4/OTLC2/CAUI-4 Signaling
- Hot- Pluggable
- CFP2 MSA Hardware Specification Rev. 1.0
- OIF-CFP2-DCO-01.0
- CFP MSA Management Interface Specification Version 2.6 (R06a)
- Line & Client PRBS Generator and Checker
- Line loopback, host terminal/facility loopback
- Power consumption 26W(200G)/21W(100G)
- Case Operating Temperature: C: 0 to 70°C

### Type:

Package	Part No	Product Description	Client Side	Line Side Modulation Format	Line Side FEC mode	Typical OSNR Sen (dB)	TX Power (dBm)	Sen (dBm)	Temp (°C)
CFP2	VR-CRRDDO-CD	200G	OTUC2/2* OTU4/ 2*100GE	PM-16QAM	SD- FEC	17/11.5/13	-10~1	-18~0	C
CFP2	VR-CRRDDT-CD	100G	OTU4/100GE	PM- DQPSK/ PM- QPSK					

## DESCRIPTION



### Feature:

- QSFP-DD MSA Compliant
- Supports 412/448 Gbps bps
- Single 3.3V Power Supply
- Power dissipation < 13W
- ROHS6 & REACH compliant
- 8x53.125 Gbps (PAM4), 4\*103/112 Gbps (PAM4) electrical interface
- Duplex LC or MPO interface
- Built-in digital diagnostic functions
- Case Operating Temperature: C: 0 to 70°C
- Safety Certification: TUV/UL/FDA

### Type:

Package	Part No	Rate	Wavelength(nm)	Reach	Source	Fiber	Interface	TX Power(dBm)	Sen(dBm)	Temp(°C)
QSFP-DD SR8	VR-QSS110M-SD	400G	850	100m	VCSEL/PIN	MMF	MPO	-6.5~4	-8.4~4	C
QSFP-DD DR4	VR-QSS220M-SD	400G	1310	500m	EML/PIN	SMF	MTP/MPO-12	-2.9~4	-5.9~4	C
QSFP-DD FR4	VR-QSSCC0L-SD	400G	1271-1331	2km	CWDM4 EML/PIN	SMF	LC	-3.3~3.5	-7.3~3.5	C

# 200G QSFP56

CFP2.DC0 400G QSFP-DD 200G QSFP56 100G QSFP28 40G QSFP+ 25G SFP28 10G SFP+ AOC/DAC  
 XGSPON&GPON COMBO OLT Transceiver XGPON&GPON COMBO OLT Transceiver XGSPON Transceiver 10G EPON Transceiver  
 GPON Transceiver GPON ONU STICK EPON Transceiver

# 100G QSFP28

CFP2.DC0 400G QSFP-DD 200G QSFP56 100G QSFP28 40G QSFP+ 25G SFP28 10G SFP+ AOC/DAC  
 XGSPON&GPON COMBO OLT Transceiver XGPON&GPON COMBO OLT Transceiver XGSPON Transceiver 10G EPON Transceiver  
 GPON Transceiver GPON ONU STICK EPON Transceiver

## DESCRIPTION



### Feature:

- Compliant with IEEE Std 802.3bs
- Compliant with 200G optical specifications
- Compliant with SFF-8679
- Compliant with CMIS4.0 Management interface specifications
- 4x53.125Gb/s electrical interface (200GAUI-4)
- Single +3.3V power supply
- Case temperature range: 0 ~ +70°C
- ROHS6 complaint

### Type:

Package	Part No	Rate	Wavelength(nm)	Reach	Source	Fiber	Interface	TX Power(dBm)	Sen(dBm)	Temp(°C)
QSFP56 SR4	VR-QRR110M-SD	200G	850	100m	VCSEL/PIN	MMF	MPO	-6.5~4	≤-8.4	C
QSFP56 FR4 lite	VR-QRR220M-SD	200G	1271-1331	2km	CWDM4 DML/PIN	SMF	LC	-4.2~4.7	≤-8.2	C

## DESCRIPTION



### Feature:

- Hot Pluggable QSFP28 form factor
- Supports aggregate bit rate up to 103.125Gb/s and 112Gb/s
- LC Duplex or MPO optical interface
- 4x25Gb/s or 4x28Gb/s transmitter
- Operating temperature: C :0 to +70°C, I: -40 to +85°C
- Low power consumption <4.5W
- IIC management interface
- Single +3.3V power supply
- Built-in digital diagnostic functions
- RoHS6 compliant (lead free)

### Type:

Package	Part No	Rate	Wavelength(nm)	Reach	Source	Fiber	Interface	TX Power(dBm)	Sen(dBm)	Temp(°C)
QSFP28 SR4	VR-QKK110M-SD	100G	850	100m	VCSEL/PIN	MMF	MPO	-8.4~2.4	≤-10.3	C
QSFP28 CWDM4	VR-QKKCCOL-(C)ID	100G	1271-1331	2km	CWDM DFB/PIN	SMF	LC	-6.5~2.5	≤-8.1	C/I
QSFP28 LX4	VR-QKKCCOL-SD	100G	1271-1331	2km	CWDM DFB/PIN	SMF	LC	-6.5~2.5	≤-8.1	C
QSFP28 CLR4	VR-QKKCCOL-SD	100G	1271-1331	2km	CWDM DFB/PIN	SMF	LC	-6.5~2.5	≤-8.1	C
QSFP28 PSM4	VR-QKK220M-SD	100G	1310	2km	DFB/PIN	SMF	MPO	-6.5~2.5	≤-8.1	C
QSFP28 DR1	VR-QKK220M-SD	100G	1310	5km	EML/PIN	SMF	MPO	-2.9~4	≤-5.9	C

# 100G QSFP28

CFP2-DCO 400G QSFP-DD 200G QSFP56 **100G QSFP28** 40G QSFP+ 25G SFP28 10G SFP+ AOC/DAC  
 XGSPON&GPON COMBO OLT Transceiver XGPON&GPON COMBO OLT Transceiver XGSPON Transceiver 10G EPON Transceiver  
 GPON Transceiver GPON ONU STICK EPON Transceiver

# 40G QSFP+

CFP2-DCO 400G QSFP-DD 200G QSFP56 **100G QSFP28** **40G QSFP+** 25G SFP28 10G SFP+ AOC/DAC  
 XGSPON&GPON COMBO OLT Transceiver XGPON&GPON COMBO OLT Transceiver XGSPON Transceiver 10G EPON Transceiver  
 GPON Transceiver GPON ONU STICK EPON Transceiver

## DESCRIPTION



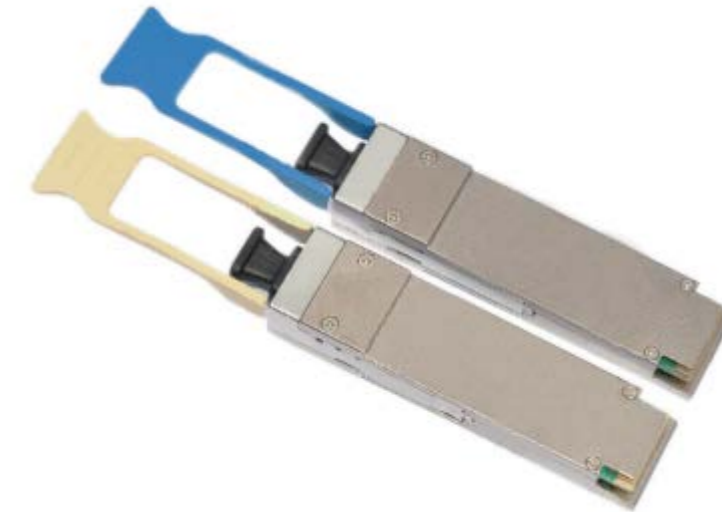
### Feature:

- Hot Pluggable QSFP28 form factor
- Supports aggregate bit rate up to 103.125Gb/s and 112Gb/s
- LC Duplex or MPO optical interface
- 4x25Gb/s or 4x28Gb/s transmitter
- Operating temperature: C :0 to +70°C, I: -40 to +85°C
- Low power consumption <4.5W
- IIC management interface
- Single +3.3V power supply
- Built-in digital diagnostic functions
- RoHS6 compliant (lead free)

### Type:

Package	Part No	Rate	Wavelength(nm)	Reach	Source	Fiber	Interface	TX Power(dBm)	Sen(dBm)	Temp(°C)
QSFP28 CWDM4	VC-QKKCC1L-SD	100G	1271-1331	10km	CWDM DFB /PIN	SMF	LC	-6.5~2.5	≤-11.5	C
QSFP28 LR4	VC-QKKLL1L-(C)ID	100G	1294-1310	10km	LWDM DFB/PIN	SMF	LC	-4.3~4.5	≤-8.6	C/I
QSFP28 ER4 Lite	VC-QKKLL3L-SD	100G	1294-1310	30km	LWDM DML/APD	SMF	LC	0.1~4.5	≤-15	C
QSFP28 ER4	VC-QKKLL4L-SD	100G	1294-1310	40km	LWDM EML/APD	SMF	LC	0.1~4.5	≤-18	C
QSFP28 ZR4 Lite	VC-QKKLL6L-SD	100G	1294-1310	60km	LWDM EML/APD	SMF	LC	0.1~4.5	≤-21	C
QSFP28 ZR4	VC-QKKLL8L-SD	100G	1294-1310	80km	LWDM EML/APD	SMF	LC	2~5.5	≤-28	C

## DESCRIPTION



### Feature:

- 4 channels full-duplex transceiver module
- Transmission data rate up to 10.5Gbps per channel
- 4 channels PIN or APD detector array
- Low power consumption <3.5W
- Hot Pluggable QSFP+ form factor
- Built-in digital diagnostic functions
- Operating Temperature: C: 0 to +70°C, I: -40 to +85°C
- 3.3V power supply voltage
- RoHS6 compliant (lead free)

### Type:

Package	Part No	Rate	Wavelength(nm)	Reach	Source	Fiber	Interface	TX Power(dBm)	Sen(dBm)	Temp(°C)
QSFP+ SR4	VC-QJJ110M-(C)ID	40G	850	150m	VCSEL/PIN	MMF	MPO	-7.5~0.5	≤-11.1	C/I
QSFP+ PSM4	VC-QJJ220M-SD	40G	1310	2km	DFB/PIN	SMF	MPO	-8.2~0.5	≤-11.5	C
QSFP+ PSM4	VC-QJJ221M-SD	40G	1310	10km	DFB/PIN	SMF	MPO	-7~2.3	≤-11.5	C
QSFP+ LX4	VC-QJJCC0L-(C)ID	40G	1271-1331	2km	CWDM DFB/PIN	SMF	LC	-7~2.3	≤-11.5	C/I
QSFP+ LR4	VC-QJJCC1L-(C)ID	40G	1271-1331	10km	CWDM DFB/PIN	SMF	LC	-7~2.3	≤-11.5	C/I
QSFP+ ER4	VC-QJJCC4L-SD	40G	1271-1331	40km	CWDM DFB/APD	SMF	LC	-2.7~4.5	≤-19	C

# 25G SFP28

CFP2 DCO 400G QSFP-DD 200G QSFP56 100G QSFP28 40G QSFP+ **25G SFP28** 10G SFP+ AOC/DAC  
 XGSPON&GPON COMBO OLT Transceiver XGPON&GPON COMBO OLT Transceiver XGSPON Transceiver 10G EPON Transceiver  
 GPON Transceiver GPON ONU STICK EPON Transceiver

## DESCRIPTION



### Feature:

- Hot Pluggable
- LC optical interface
- Operating Temperature:  
C: 0 to +70°C, E: -20 to +85°C, I: -40 to +85°C
- Applicable for 10km, 30km, 40km SMF and 100m MMF connection
- All-metal housing for superior EMI performance
- Single 3.3V power supply
- 1.5W maximum power consumption
- Cost effective SFP28 solution, enables higher port densities and greater bandwidth
- ROHS6 compliant

### Type:

Package	Part No	Rate	Wavelength(nm)	Reach	Source	Fiber	Interface	Power(dBm)	Sen(dBm)	Temp(°C)
SFP28 SR	VC-PMM110L-(C)ID	25G	850	100m	VCSEL/PIN	MMF	LC	-8.4~2.4	≤-10.3	C/I
SFP28 LR	VC-PMM221L-(C)ID	25G	1310	10km	DFB/PIN	SMF	LC	-7~2	≤-12	C/I
SFP28 ER	VC-PMM224L-(C)ID	25G	1310	40km	DFB/APD	SMF	LC	0~6	≤-19	C/I
SFP28 CWDM	VC-PMMCC1L-(C/E)ID	25G	1271-1371	10km	CWDM DFB/PIN	SMF	LC	-1~5	≤-14.4	C/E/I
SFP28 BIDI	VC-PMM56(65)1L-(C)ID	25G	TX1270(1330)/RX1330(1270)	10km	DFB/PIN	SMF	LC	-4~4	≤-13	C/I
SFP28 BIDI	VC-PMM56(65)2L-(C)ID	25G	TX1270(1330)/RX1330(1270)	20km	DFB/PIN	SMF	LC	0~6	≤-14	C/I
SFP28 BIDI	VC-PMM56(65)4L-(C/E)ID	25G	TX1270(1330)/RX1330(1270)	40km	DFB/APD	SMF	LC	0~6	≤-18	C/E/I
SFP28	VC-TMMDD1L-(E)ID	25G	C13-C60	10km	DFB/PIN	SMF	LC	0~4	≤-12	E/I
Tunable	VC-TMMDD2L-(E)ID	25G	C13-C60	15km	DFB/PIN	SMF	LC	0~4	≤-15	E/I

# 10G SFP+ BIDI

CFP2 DCO 400G QSFP-DD 200G QSFP56 100G QSFP28 40G QSFP+ 25G SFP28 **10G SFP+** AOC/DAC  
 XGSPON&GPON COMBO OLT Transceiver XGPON&GPON COMBO OLT Transceiver XGSPON Transceiver 10G EPON Transceiver  
 GPON Transceiver GPON ONU STICK EPON Transceiver

## DESCRIPTION



### Feature:

- Hot Pluggable
- LC optical interface
- Low power consumption
- Applicable for SMF and MMF connection
- All-metal housing for superior EMI performance
- Advanced firmware allow customer system encryption information to be stored in transceiver
- Cost effective SFP+ solution, enables higher port densities and greater bandwidth
- Operating Temperature:  
C: 0 to +70°C, E: -20 to +85°C, I: -40 to +85°C
- ROHS6 compliant

### Type:

Package	Part No	Rate	Wavelength(nm)	Reach	Source	Fiber	Interface	TX Power(dBm)	Sen(dBm)	Temp(°C)
SFP+ BIDI	VC-PH56(65)1L-(C)ID	10G	TX1270(1330)/RX1330(1270)	10km	DFB/PIN	SMF	LC	-8.2~0.5	≤-14.4	C/I
SFP+ BIDI	VC-PH56(65)2L-(C)ID	10G	TX1270(1330)/RX1330(1270)	20km	DFB/PIN	SMF	LC	-4.2~3	≤-14.4	C/I
SFP+ BIDI	VC-PH56(65)4L-(C)ID	10G	TX1270(1330)/RX1330(1270)	40km	DFB/PIN	SMF	LC	1~6	≤-15	C/I
SFP+ BIDI	VC-PH56(65)6L-(C)ID	10G	TX1270(1330)/RX1330(1270)	60km	DFB/APD	SMF	LC	1~6	≤-20	C/I
SFP+ BIDI	VC-PH34(43)8L-(C)ID	10G	TX1490(1550)/RX1550(1490)	80km	EML/APD	SMF	LC	-1~4	≤-23	C/I

# 10G SFP+

CFP2 DCO 400G QSFP-DD 200G QSFP56 100G QSFP28 40G QSFP+ 25G SFP28 **10G SFP+** AOC/DAC  
 XGSPON&GPON COMBO OLT Transceiver XGPON&GPON COMBO OLT Transceiver XGSPON Transceiver 10G EPON Transceiver  
 GPON Transceiver GPON ONU STICK EPON Transceiver

## DESCRIPTION



### Feature:

- Hot Pluggable
- LC optical interface
- Low power consumption
- Applicable for SMF and MMF connection
- All-metal housing for superior EMI performance
- Advanced firmware allow customer system encryption information to be stored in transceiver
- Cost effective SFP+ solution, enables higher port densities and greater bandwidth
- Operating Temperature: C: 0 to +70°C, E: -20 to +85°C, I: -40 to +85°C
- ROHS6 compliant

### Type:

Package	Part No	Rate	Wavelength(nm)	Reach	Source	Fiber	Interface	TX Power(dBm)	Sen(dBm)	Temp(°C)
SFP+ SR	VC-PII110L-(C)ID	10G	850	300m	VCSEL/PIN	MMF	LC	-7.3~-1	≤-11.1	C/I
SFP+ LR	VC-PII221L-(C)ID	10G	1310	10km	DFB/PIN	SMF	LC	-8.2~-0.5	≤-14.4	C/I
SFP+ LR	VC-PII222L-(C)ID	10G	1310	20km	DFB/PIN	SMF	LC	-4.2~-3	≤-14.4	C/I
SFP+ ER	VC-PII224L-(C)ID	10G	1310	40km	DFB/PIN	SMF	LC	1~6	≤-15	C/I
SFP+ ER	VC-PII444L-(C)ID	10G	1550	40km	EML/PIN	SMF	LC	-1~-2	≤-16	C/I
SFP+ ZR	VC-PII448L-(C)ID	10G	1550	80km	EML/APD	SMF	LC	0~4	≤-24	C/I
SFP+ CWDM	VC-PIICC1L-(C/E)ID	10G	1271-1611	10km	CWDM DFB/PIN	SMF	LC	-4~-3	≤-14.4	C/E/I
SFP+ CWDM	VC-PIICC2L-(C/E)ID	10G	1271-1371	20km	CWDM DFB/PIN	SMF	LC	-2~-4	≤-14.4	C/E/I
SFP+ CWDM	VC-PIICC4L-(C/E)ID	10G	1271-1371	40km	CWDM DFB/PIN	SMF	LC	1~6	≤-15	C/E/I
SFP+	VC-TIIDD4L-(E)ID	10G	C14-C61	40km	EML/PIN	SMF	LC	0~4	≤-16	E/I
Tunable	VC-TIIDD8L-(E)ID	10G	C14-C61	80km	EML/APD	SMF	LC	0~4	≤-24	E/I

# AOC/DAC

CFP2 DCO 400G QSFP-DD 200G QSFP56 100G QSFP28 40G QSFP+ 25G SFP28 10G SFP **AOC/DAC**  
 XGSPON&GPON COMBO OLT Transceiver XGPON&GPON COMBO OLT Transceiver XGSPON Transceiver 10G EPON Transceiver  
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## DESCRIPTION



### AOC

VC-QKKAOCX-SD	QSFP28, Active Optical Cable, UP to 30m on MMF, 0°C~+70°C
VC-QJJAOCX-SD	QSFP+, Active Optical Cable, UP to 30m on MMF, 0°C~+70°C
VC-PMMAOCX-SD	SFP28, Active Optical Cable, up to 30m on MMF, 0°C~+70°C
VC-PIIAOCX-SD	SFP+ Active Optical Cable, up to 30m on MMF, 0°C~+70°C
VC-QJIAOCX-SD	QSFP+ to 4SFP+, Up to 30m on MMF, 0°C~+70°C
VC-QKMAOCX-SD	QSFP28 to 4SFP28, Up to 30m on MMF, 0°C~+70°C
VC-QRRAOCX-SD	200G QSFP56, Active Optical Cable, Up to 30m on MMF, 0°C~+70°C
VC-QSSAOCX-SD	400G QSFP56, Active Optical Cable, Up to 30m on MMF, 0°C~+70°C

### DAC

VC-QKMDACX-SN	QSFP28 Direct Attach Passive Cable, up to 5m, 0°C~+70°C
VC-QJJDACX-SN	QSFP+ Direct Attach Passive Cable, up to 7m, 0°C~+70°C
VC-PMMDACX-SN	SFP28 Direct Attach Passive Cable, up to 5m, 0°C~+70°C
VC-PIIDACX-SN	SFP+ Direct Attach Passive Cable, up to 5m, 0°C~+70°C
VC-QKMDACX-SN	QSFP28 to 4SFP28, Direct Attach Passive Cable, up to 5m, 0°C~+70°C
VC-QJIDACX-SN	QSFP+ to 4SFP+, Direct Attach Passive Cable, up to 7m, 0°C~+70°C

# XGSPON&GPON COMBO OLT Transceiver

CFP2 DCO 400G QSFP-DD 200G QSFP56 100G QSFP28 40G QSFP+ 25G SFP28 10G SFP+ AOC/DAC  
**XGSPON&GPON COMBO OLT Transceiver** XGSPON Transceiver 10G EPON Transceiver  
 GPON Transceiver GPON ONU STICK EPON Transceiver

# XGPON&GPON COMBO OLT Transceiver

CFP2 DCO 400G QSFP-DD 200G QSFP56 100G QSFP28 40G QSFP+ 25G SFP28 10G SFP+ AOC/DAC  
 XGSPON&GPON COMBO OLT Transceiver **XGPON&GPON COMBO OLT Transceiver** XGSPON Transceiver 10G EPON Transceiver  
 GPON Transceiver GPON ONU STICK EPON Transceiver

## DESCRIPTION



### Feature:

- SC Simplex optical interface
- Upstream
- 9.953Gbps 1270nm APD Receiver
- 2.488Gbps 1270nm APD Receiver
- 1.244Gbps 1310nm APD Receiver
- Downstream
- 9.953Gbps 1577nm EML Transmitter
- 2.488Gbps 1490nm DFB Transmitter
- D1/D2/E2 linkbudget
- Package SFP+
- Operating Temperature: C: 0 to +70°C, I: -40 to +85°C

### XGSPON&GPON COMBO OLT

Package	PPart No	Rate	Wavelength(nm)	ODN Class	Source	Fiber	Interface	TX Power(dBm)	Sen(dBm)	Temp(°C)
SFP+	VC-MGSSPU-(C)IB1	9.95G/9.95G	1577/1270	Class B+	EML/APD	SMF	SC/UPC	1-4	≤-25	C/I
		9.95G/2.48G	1577/1270		EML/APD	SMF	SC/UPC	1-4	≤-26.5	C/I
		2.48G/1.25G	1490/1310		DFB/APD	SMF	SC/UPC	1.5-5	≤-28	C/I
SFP+	VC-MGSSPU-(C)IC1	9.95G/9.95G	1577/1270	Class C+	EML/APD	SMF	SC/UPC	5-8	≤-29	C/I
		9.95G/2.48G	1577/1270		EML/APD	SMF	SC/UPC	5-8	≤-30.5	C/I
		2.48G/1.25G	1490/1310		DFB/APD	SMF	SC/UPC	3-7	≤-32	C/I
SFP+	VC-MGSSPU-(C)IC2	9.95G/9.95G	1577/1270	Class C++	EML/APD	SMF	SC/UPC	7-9	≤-31	C/I
		9.95G/2.48G	1577/1270		EML/APD	SMF	SC/UPC	7-9	≤-32.5	C/I
		2.48G/1.25G	1490/1310		DFB/APD	SMF	SC/UPC	6-9	≤-34	C/I
SFP+	VC-MGSSPU-(C)ID0	9.95G/9.95G	1577/1270	Class D	EML/APD	SMF	SC/UPC	8-10	≤-32	C/I
		9.95G/2.48G	1577/1270		EML/APD	SMF	SC/UPC	8-10	≤-33.5	C/I
		2.48G/1.25G	1490/1310		DFB/APD	SMF	SC/UPC	7-9	≤-35	C/I

## DESCRIPTION



### Feature:

- SC Simplex optical interface
- Package SFP+
- Upstream
- 2.488Gbps 1270nm APD Transmitter
- 1.244Gbps 1310nm APD Receiver
- Downstream
- 9.953Gbps 1577nm EML Receiver
- 2.488Gbps 1490nm DFB Receiver
- D1/D2 linkbudget
- Operating Temperature:C:0 to +70°C, I: -40 to +85°C

### XGPON&GPON COMBO OLT

Package	PPart No	Rate	Wavelength(nm)	ODN class	Source	Fiber	Interface	TX Power(dBm)	Sen(dBm)	Temp(°C)
SFP+	VC-MGASPU-(C)IB1	9.95G/2.48G	1577/1270	Class B+	EML/APD	SMF	SC/UPC	1-5	≤-26.5	C/I
		2.48G/1.25G	1490/1310		DFB/APD	SMF	SC/UPC	1.5-5	≤-28	C/I
SFP+	VC-MGASPU-(C)IC1	9.95G/2.48G	1577/1270	Class C+	EML/APD	SMF	SC/UPC	4.5-9	≤-30.5	C/I
		2.48G/1.25G	1490/1310		DFB/APD	SMF	SC/UPC	5-9	≤-31	C/I
SFP+	VC-MGASPU-(C)ID0	9.95G/2.48G	1577/1270	Class D	EML/APD	SMF	SC/UPC	8-12	≤-33.5	C/I
		2.48G/1.25G	1490/1310		DFB/APD	SMF	SC/UPC	6-10	≤-35	C/I

# XGSPON Transceiver

CFP2 DCO 400G QSFP-DD 200G QSFP56 100G QSFP28 40G QSFP+ 25G SFP28 10G SFP+ AOC/DAC  
 XGSPON&GPON COMBO OLT Transceiver XGPON&GPON COMBO OLT Transceiver **XGSPON Transceiver** 10G EPON Transceiver  
 GPON Transceiver GPON ONU STICK EPON Transceiver

# 10G EPON Transceiver

CFP2 DCO 400G QSFP-DD 200G QSFP56 100G QSFP28 40G QSFP+ 25G SFP28 10G SFP+ AOC/DAC  
 XGSPON&GPON COMBO OLT Transceiver XGPON&GPON COMBO OLT Transceiver XGSPON Transceiver **10G EPON Transceiver**  
 GPON Transceiver GPON ONU STICK EPON Transceiver

## DESCRIPTION



### Feature:

- SC Receptacle optical connector
- Single 3.3V DC Supply
- Symmetrical
- Upstream: 9.953Gbps 1270nm DFB and 2.488Gbps 1270nm APD
- Downstream: 9.953Gbps 1577nm EML and 9.953Gbps 1577nm APD
- Package SFP+
- Operating Temperature: C: 0 to +70°C, I: -40 to +85°C

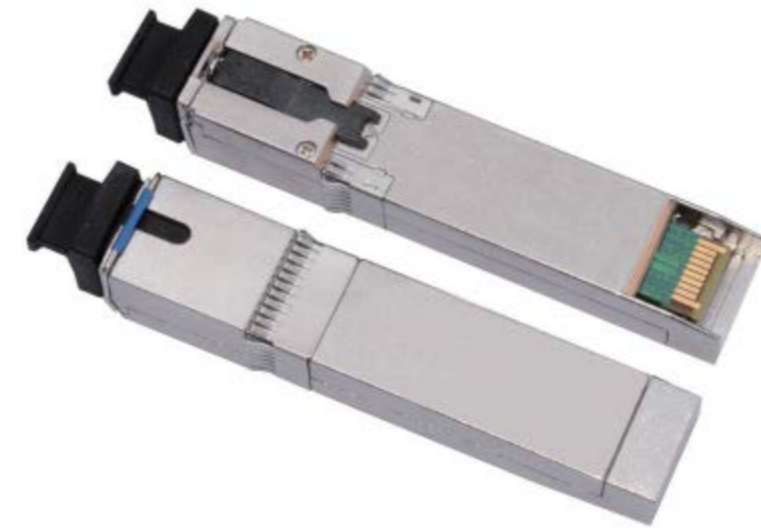
### XGSPON ONU

Package	PPart No	Rate	Wavelength(nm)	Reach	Source	Fiber	Interface	TX Power(dBm)	Sen(dBm)	Temp(°C)
SFP+	VC-PII272S-IG	9.95G/9.95G	1270/1577	20km	DFB/APD	SMF	SC	4-9	≤-29	I

### XGSPON OLT

Package	PPart No	Rate	Wavelength(nm)	ODN class	Source	Fiber	Interface	TX Power(dBm)	Sen(dBm)	Temp(°C)
SFP+	VC-XGSSPU-(C)ID1	9.95G/9.95G	1577/1270	N1	EML/APD	SMF	SC/UPC	2-5	≤-26	C/I
		9.95G/2.48G	1577/1270		EML/APD	SMF	SC/UPC	2-5	≤-27.5	C/I
SFP+	VC-XGSSPU-(C)ID2	9.95G/9.95G	1577/1270	N2	EML/APD	SMF	SC/UPC	4-7	≤-28	C/I
		9.95G/2.48G	1577/1270		EML/APD	SMF	SC/UPC	4-7	≤-29.5	C/I
SFP+	VC-XGSSPU-(C)IE1	9.95G/9.95G	1577/1270	E1	EML/APD	SMF	SC/UPC	7-9	≤-30	C/I
		9.95G/2.48G	1577/1270		EML/APD	SMF	SC/UPC	7-9	≤-31.5	C/I
SFP+	VC-XGSSPU-(C)IE2	9.95G/9.95G	1577/1270	E2	EML/APD	SMF	SC/UPC	8-10	≤-32	C/I
		9.95G/2.48G	1577/1270		EML/APD	SMF	SC/UPC	8-10	≤-33.5	C/I

## DESCRIPTION



### Feature:

- SC Receptacle optical connector
- Voltage Supply
- SFP+: Single 3.3V DC
- Symmetrical
- 10.3125Gbps upstream burst mode with DFB and APD
- 10.3125Gbps downstream continuous mode with EML and APD
- Package SFP+
- Operating Temperature: C: 0 to +70°C, I: -40 to +85°C

### 10G EPON ONU

Package	PPart No	Rate	Wavelength(nm)	Reach	Source	Fiber	Interface	TX Power(dBm)	Sen(dBm)	Temp(°C)
SFP+ ONU	VC-PII272S-IE	10.3G/10.3G	1270/1577	20km	DFB/APD	SMF	SC	4-9	≤-28.5	I

### 10G EPON OLT

Package	PPart No	Rate	Wavelength(nm)	ODN class	Source	Fiber	Interface	TX Power(dBm)	Sen(dBm)	Temp(°C)
SFP+	VC-XESSPU-CPC	10.3125G/10.3125G	1577/1270	PR30/PX30	EML/APD	SMF	SC/UPC	2-5	<-28.5	C
		1.25G/1.25G	1490/1310		EML/APD	SMF	SC/UPC	3-7	<-29	C
SFP+	VC-XESSPU-CPD	10.3125G/10.3125G	1577/1270	PR40/PX40	EML/APD	SMF	SC/UPC	5-9	<-30	C
		1.25G/1.25G	1490/1310		EML/APD	SMF	SC/UPC	5-10	<-32	C



# GPON Transceiver

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**GPON Transceiver** GPON ONU STICK EPON Transceiver

# GPON ONU STICK

CFP2 DCO 400G QSFP-DD 200G QSFP56 100G QSFP28 40G QSFP+ 25G SFP28 10G SFP+ AOC/DAC  
 XGSPON&GPON COMBO OLT Transceiver XGPON&GPON COMBO OLT Transceiver XGSPON Transceiver 10G EPON Transceiver  
 GPON Transceiver **GPON ONU STICK** EPON Transceiver

## DESCRIPTION



### Feature:

- SC Receptacle optical connector and SC Pigtail optical connector
- Upstream
- 1.244Gbps downstream burst mode with FP/DFB and APD
- Downstream
- 2.488Gbps continuous mode with DFB and APD/PIN
- 47 to 870MHZ and 47 to 1002MHZ RF BW Linear Analog Video Receiver Package
- SFP
- 1X20 SFF Triplexer
- Operating Temperature:  
 C: 0 to +70°C, E:-20 to +85°C, I: -40 to +85°C

### GPON OLT

Package	Part No	Rate	Wavelength(nm)	ODN Class	Source	Fiber	Interface	TX Power(dBm)	Sen(dBm)	Temp(°C)
SFP	VC-GPASPU-(C)IB1	2.48G/1.25G	1490/1310	B+	DFB/APD	SMF	SC/UPC	1.5-5	≤-28	C/I
SFP	VC-GPASPU-(C)IC1	2.48G/1.25G	1490/1310	C+	DFB/APD	SMF	SC/UPC	3-5	≤-30	C/I
SFP	VC-GPASPU-(C)IC2	2.48G/1.25G	1490/1310	C++	DFB/APD	SMF	SC/UPC	5-7	≤-31	C/I
SFP	VC-GPASPU-(C)IC3	2.48G/1.25G	1490/1310	C+++	DFB/APD	SMF	SC/UPC	7-9	≤-32	C/I

### GPON Triplexer

Package	Part No	Rate	Wavelength(nm)	Reach	Source	Fiber	Interface	TX Power(dBm)	Sen(dBm)	Temp(°C)
1X20 SFF	VC-YEF342A-(E)ID1	1.25G/2.48G	1310/1490	20km	DFB/APD	SMF	SC/APC	0.5-5	≤-28	E/I
		Analog video	1550	20km	PIN	SMF	SC/APC	RXINPUT	-8-2	E/I

## DESCRIPTION



### Feature:

- SC Receptacle optical connector and SC Pigtail optical connector
- Upstream 1.244Gbps downstream burst mode with FP/DFB and super-tia
- Downstream 2.488Gbps continuous mode with DFB and PIN
- GPON ONU STICK With MAC
- ITU-T G.984
- SFP MSA
- Compliant with ROHS
- Package
- SFP
- Operating Temperature: I: -40 to +85°C

### GPON ONU STICK

Package	Part No	Rate	Wavelength(nm)	Reach	Source	Fiber	Interface	TX Power(dBm)	Sen(dBm)	Temp(°C)
SFP	VC-YEF342A-(E)ID1	1.25G/2.48G	1310/1490	20km	DFB/PIN	SMF	SC	0.5-5	≤-28	I