

 **USOURCE** 深圳优信源科技有限公司

 **USOURCE** 深圳优索思科技有限公司
TECHNOLOGY

SHENZHEN USOURCE TECHNOLOGY CO., LTD

■ ***Global Fiber Interconnection***

专注光纤互连解决方案

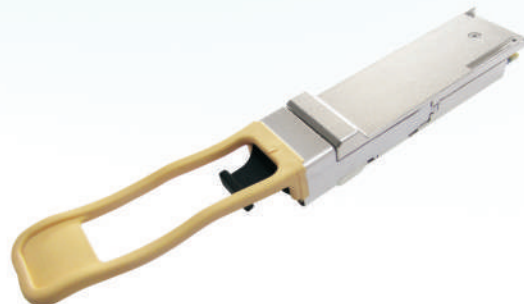
■ ***FTTx, Fiber To YOU!***

您的光纤入户专家

100G QSFP28 Transceiver 光收发模块

Features:

- Supports 103.1Gb/s aggregate bit rate
- Transmission data rate up to 26Gb/s per channel
- Hot-pluggable QSFP28 form factor
- Up to 100m over OM4 MMF for 10GBASE-SR4
- Up to 10km over SMF for 10GBASE-LR4
- 4x25Gbps electrical interface
- Built-in digital diagnostic function
- Power consumption < 3.5W
- Single 3.3V power supply
- RoHS-6 compliant



P/N	Package	Data Rate	Receptacle	Reach	Tx Optics	Rx Optics
UQ28-SR4	QSFP28	4x25Gbps	MPO12	100m	VCSEL Array 850nm	PIN Array 850nm
UQ28-PSM4	QSFP28	4x25Gbps	MPO12	2km	DFB Array 1310nm	PIN Array 1310nm
UQ28-LR4	QSFP28	4x25Gbps	Dual LC	10km	DFB CWDM4 1295 1300 1305 1310nm	PIN CWDM4 1295 1300 1305 1310nm

100G CFP2 Transceiver 光收发模块

Features:

- Supports 112Gb/s aggregate bit rate
- Transmission data rate up to 26Gb/s per channel
- Hot-pluggable CFP2 form factor
- Up to 100m over OM4 MMF for 10GBASE-SR4
- Up to 10km over SMF for 10GBASE-LR4
- 4x27.9Gbps electrical interface
- Built-in digital diagnostic function
- AC coupling of CML signals
- MDIO Communication Interface
- Power consumption < 8W
- Single 3.3V power supply
- RoHS-6 compliant



P/N	Package	Data Rate	Receptacle	Reach	Tx Optics	Rx Optics
UCFP2-SR4	CFP2	4x25Gbps	MPO12	100m	VCSEL Array 850nm	PIN Array 850nm
UCFP2-LR4	CFP2	4x25Gbps	Dual LC	10km	DFB CWDM4 1295 1300 1305 1310nm	PIN CWDM4 1295 1300 1305 1310nm

40G QSFP+ 光收发模块

Features:

- Four-channel full-duplex transceiver module
- Hot-pluggable QSFP+ form factor
- Data rate up to 12.5Gbp per channel
- Power consumption < 1.5W for QSFP+ SR4, <3.5W for QSFP+ LR4
- Reliable VCSEL array technology
- Uncooled 4x10Gb/s CWDM transmitter
- Built-in digital diagnostic functions
- Commercial temperature range 0°C to 70°C
- RoHS-6 compliant

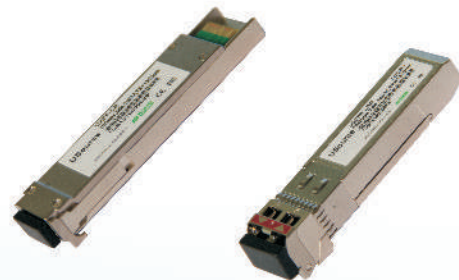


P/N	Package	Data Rate	Receptacle	Reach	Tx Optics	Rx Optics
UQFP-SR4	QSFP+	4x10Gbps	MPO12	100m	VCSEL Array 850nm	PIN Array 850nm
UQFP-eSR4	QSFP+	4x10Gbps	MPO12	300m	VCSEL Array 850nm	PIN Array 850nm
UQFP-PIR4	QSFP+	4x10Gbps	MPO12	2km	DFB Array 1310nm	PIN Array 1310nm
UQFP-PLR4	QSFP+	4x10Gbps	MPO12	10km	DFB Array 1310nm	PIN Array 1310nm
UQFP-IR4	QSFP+	4x10Gbps	Dual LC	2km	DFB CWDM4 1295 1300 1305 1310nm	PIN CWDM4 1295 1300 1305 1310nm
UQFP-LR4	QSFP+	4x10Gbps	Dual LC	10km	DFB CWDM4 1295 1300 1305 1310nm	PIN CWDM4 1295 1300 1305 1310nm

10G XFP transceiver 光收发模块

Features:

- Support multi protocol from 9.95Gb/s to 11.3Gb/s
- Hot pluggable 30 pin connector
- Compliant with XFP MSA
- XFI electrical interface with AC coupling
- Commercial temperature range 0°C to 70°C
- RoHS-6 compliant



P/N	Package	Data Rate	Receptacle	Reach	Tx Optics	Rx Optics
UXFP-SR	XFP	10Gbps	Dual LC	220m	VCSEL 850nm	PIN-TIA 850nm
UXFP-LR	XFP	10Gbps	Dual LC	10km	DFB 1310nm	PIN-TIA 1310nm
UXFP-ER	XFP	10Gbps	Dual LC	40km	EML 1550nm	PIN-TIA 1550nm
UXFP-ZR	XFP	10Gbps	Dual LC	80km	EML 1550nm	APD-TIA 1550nm
UBXFP-20-U/D	XFP	10Gbps	Single LC	20km	DFB 1270nm/1330nm	PIN-TIA
UBXFP-40-U/D	XFP	10Gbps	Single LC	40km	DFB 1270nm/1330nm	PIN-TIA
UBXFP-60-U/D	XFP	10Gbps	Single LC	60km	DFB 1270nm/1330nm	APD-TIA

155M~10G SFP/SFP+ series 百兆、千兆、万兆光收发模块

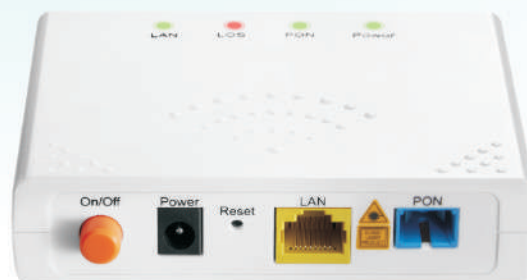
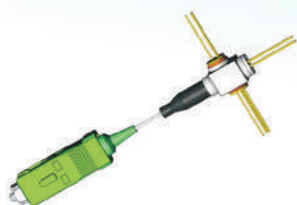
10G SFP+ Transceiver 万兆光收发模块						
P/N	Package	Data Rate	Receptacle	Reach	Tx Optics	Rx Optics
USFP-2SR	SFP+	10Gbps	Dual LC	300m	VCSEL 850nm	PIN-TIA
USFP-2LOR	SFP+	10Gbps	Dual LC	2km	FP 1310nm	PIN-TIA
USFP-2ZR	SFP+	10Gbps	Dual LC	80km	DFB 1550nm	APD-TIA
USFP-SR	SFP+	1.25Gbps	Dual LC	300m	VCSEL 850nm	PIN-TIA
USFP-LR	SFP+	1.25Gbps	Dual LC	20km	FP 1310nm	PIN-TIA
USFP-ER	SFP+	1.25Gbps	Dual LC	40km	FP 1310nm	PIN-TIA
USFP-ZR	SFP+	1.25Gbps	Dual LC	80km	DFB 1550nm	PIN-TIA
USFP-UL	SFP+	1.25Gbps	Dual LC	120km	DFB 1550nm	APD-TIA
UBSFP-L035/53	SFP	1.25Gbps	Single SC	2km	FP 1310nm/1550nm	PIN-TIA
UBSFP-LR35/53	SFP	1.25Gbps	Single LC	20km	FP/DFB 1310nm/1550nm	PIN-TIA
UBSFP-LR34/43	SFP	1.25Gbps	Single LC	20km	FP/DFB 1310nm/1490nm	PIN-TIA
UBSFP-ER35/53	SFP	1.25Gbps	Single LC	40km	FP/DFB 1310nm/1550nm	PIN-TIA
UBSFP-ZR45/54	SFP	1.25Gbps	Single LC	80km	DFB/DFB 1490nm/1550nm	PIN-TIA
UCSFP-ZR-xx	SFP	1.25Gbps	Dual LC	80km	DFB CWDM 1270~1610nm	PIN-TIA
UDSFP-ZR-xx	SFP	1.25Gbps	Dual LC	80km	DFB DWDM CH18~CH60	PIN-TIA
CSFP Dual Bi-directional Transceiver 双单纤双向光收发模块						
UBCSFP-20-U/D	SFP	1.25Gbps	Dual BiDi LC	20km	DFB 1310/1490nm	PIN-TIA
155M SFP Transceiver 百兆 SFP 系列光收发模块						
USFP-SX	SFP	155Mbps	Dual LC	2km	VCSEL 850nm	PIN-TIA 850nm
USFP-LOX	SFP	155Mbps	Dual LC	2km	FP 1310nm MM	PIN-TIA 1310nm
USFP-LX	SFP	155Mbps	Dual LC	20km	FP 1310nm SM	PIN-TIA 1310nm
USFP-EX	SFP	155Mbps	Dual LC	40km	FP 1310nm	PIN-TIA 1310nm
USFP-ZX	SFP	155Mbps	Dual LC	80km	DFB 1550nm	PIN-TIA 1310nm
UBSFP-LX35/53	SFP	155Mbps	Single LC	20km	FP 1310nm/1550nm	PIN-TIA
UBSFP-LX35/53-SC	SFP	155Mbps	Single SC	20km	FP 1310nm/1550nm	PIN-TIA

1X9 Transceiver/ Media Converter 1x9光模块/光纤收发器



1x9 Duplex & Bi-directional						
P/N	Package	Data Rate	Receptacle	Reach	Tx Optics	Rx Optics
UTR-SX	1X9	155Mbps	SC/ST/FC	2km	VCSEL 850nm	PIN-TIA 850nm
UTR-L0X	1X9	155Mbps	SC/ST/FC	2km	FP 1310nm MM	PIN-TIA 1310nm
UTR-LX	1X9	155Mbps	SC/ST/FC	20km	FP 1310nm SM	PIN-TIA 1310nm
UBTR-LX35/53	1X9	155Mbps	SC/ST/FC	20km	FP 1310nm/1550nm	PIN-TIA
UTR-SR	1X9	1.25Gbps	SC/ST/FC	300m	VCSEL 850nm	PIN-TIA 850nm
UTR-L0R	1X9	1.25Gbps	SC/ST/FC	550m	FP 1310nm MM	PIN-TIA 1310nm
UTR-LR	1X9	1.25Gbps	SC/ST/FC	20km	FP 1310nm SM	PIN-TIA 1310nm
UTR-ER	1X9	1.25Gbps	SC/ST/FC	40km	FP 1310nm SM	PIN-TIA 1310nm
UTR-ZR	1X9	1.25Gbps	SC/ST/FC	80km	DFB 1550nm SM	PIN-TIA 1550nm
UBTR-LR35/53	1X9	1.25Gbps	SC/ST/FC	20km	FP 1310nm/1550nm	PIN-TIA
1x9 Single Transmitter & Single Receiver, ideal for Video transmission 单发、单收视频光模块						
UTX-LX	1X9	155Mbps	SC/ST/FC	20km	FP 1310nm	
URX-LX	1X9	155Mbps	SC/ST/FC	20km		PIN 1310nm
UTX-LR	1X9	1.25Gbps	SC/ST/FC	20km	FP 1310nm	
URX-LR	1X9	1.25Gbps	SC/ST/FC	20km		PIN 1310nm
UTX-3LR	1X9	3Gbps	SC/ST/FC	20km	DFB 1310/1490/1550nm	
URX-3LR	1X9	3Gbps	SC/ST/FC	20km		PIN 1310/1490/1550nm
Media converter 光纤收发器						
UMC-100M-20	Duplex	10/100Mbps	SC/ST/FC	20km	1X9 module 1310nm	External or Internal power supply optional DC12V, DC24, DC48V
UMC-100M-80	Duplex	10/100Mbps	SC/ST/FC	80km	1X9 module 1550nm	
UBMC-100M-20	WDM	10/100Mbps	SC/ST/FC	20km	1X9 module 1310/1550	
UMC-1000M-20	Duplex	10/100/1000M	SC/ST/FC	20km	1X9 module 1310nm	
UMC-1000M-80	Duplex	10/100/1000M	SC/ST/FC	80km	1X9 module 1550nm	
UBMC-1000M-20	WDM	10/100/1000M	SC/ST/FC	20km	1X9 module 1310/1550	
UMC-100M-SFP	1x RJ45	10/100Mbps	SFP Slot	Optional	SFP module	1x 2x 4x RJ45 ports optional
UMC-1000M-SFP	1x RJ45	10/100/1000M	SFP Slot	Optional	SFP module	
UMC-1400	2U Chassis	Optional	14 Slots	Optional	Stand-alone type	Redundant power supply optional 220V/-48V
UMC-1600	2U Chassis	Optional	16 Slots	Optional	Card-type Media Converter	

FTTx - EPON/GPON Solutions 光纤入户解决方案



PON Features:

- Compliant to ITU-T G.984.2, G.984.3, G.984.4, IEEE 802.3ah
- IEEE 802.1D, Spanning tree protocol YD/T 1475-2006
- IEEE 802.1Q, VLAN IEEE 802.1w, RSTP
- IEEE 802.3ad (LACP) Ethernet-II, Ethernet-SNAP
- Compatible with HUAWEI / ZTE / FIBERHOME / ALCATEL-LUCENT OLT

Optical Sub-assembly for PON solution 光收发组件						
P/N	Package	Data Rate	Pigtail	Output	Tx Optics	Rx Optics
UEP-N2U	BOSA	1.25Gbps	SC/UPC	>1.2mW	DFB 1310nm	PIN-TIA 1490nm
UEP-N2A	BOSA	1.25Gbps	SC/APC	>1.2mW	DFB 1310nm	PIN-TIA 1490nm
UGP-N2U	BOSA	1.25Gbps	SC/UPC	>1.5mW	DFB 1310nm	APD-TIA 1490nm 2.5Gbps
UGP-N2A	BOSA	1.25Gbps	SC/APC	>1.5mW	DFB 1310nm	APD-TIA 1490nm 2.5Gbps
UGP-NTS	Tri-OSA	1.25Gbps	SC/APC	>1.5mW	DFB 1310nm	APD 1490nm & PIN 1550nm
GPON ONU STICK SFP 交换机直连 OLT 设备的光收发模块						
UGP-N1S	SFP	1.25Gbps	SC receptacle	>0.5dBm	DFB 1310nm	APD-TIA 1490nm 2.5Gbps
EPON/GPON ONU Box 光猫						
P/N	Package	Upstream	Downstream	Fiber port	LAN port	Power supply
E100	Box	1.25Gbps	1.25Gbps	SC	10/100/1000M	12V DC
G100	Box	1.25Gbps	2.5Gbps	SC	10/100/1000M	12V DC

PON Splitter 光纤分路器

- Low insertion loss and PDL
- Wide Operating Temperature: -40 - 85°C
- High reliability and stability, Telcordia GR-1221/1209 compliant



Type	Package	Configuration	Cable OD	Connector	Cable length
UPLC=PLC Splitter	1=Steel tube Cigar type 2=ABS box 3=Plug-in type 4=Rack mount chassis	1xx=1*N (02~64) 2xx=2*N (02~64)	0=250μm Bare fiber 1=0.9mm 2=2.0mm 3=3.0mm	NO=None SCA=SC/APC SCU=SC/UPC	05=0.5m 10=1.0m 15=1.5m XX=Customized
UFBT=FBT Splitter	1=Steel tube Cigar type 2=ABS box	Split Ratio 1/99 2/9810/90...			

Data Center Solutions 数据中心解决方案



AOC DAC High Speed Cables 高速线缆				
P/N	Data Rate	Interface	Cable type	Length
USFP-AOC-xxx	10Gbps	SFP+ To SFP+	Fiber OM2 OM3	001~300 1m~300m
UQFP-AOC-xxx	40Gbps	QSFP+ To QSFP+	Fiber OM2 OM3	001~300 1m~300m
UQSFP-AOC-xxx	40Gbps – 4x 10Gbps	QSFP+ To 4x SFP+	Fiber OM2 OM3	001~300 1m~300m
UQ28-AOC-xxx	100Gbps	QSFP28 To QSFP28	Fiber OM3 OM4	001~100 1m~100m
USFP-DAC-xx	10Gbps	SFP+ To SFP+	30AWG 28AWG 24AWG	01~10 1m~10m
UQFP-DAC-xx	40Gbps	QSFP+ To QSFP+	30AWG 26AWG 24AWG	01~10 1m~10m
UQSFP-DAC-xx	40Gbps – 4x 10Gbps	QSFP+ To 4x SFP+	30AWG 28AWG 24AWG	01~07 1m~7m
UQ28-DAC-xx	100Gbps	QSFP28 To QSFP28	30AWG 26AWG	01~05 1m~5m
UQSFP28-DAC-xx	100Gbps – 4x 25Gbps	QSFP28 To 4x SFP+	30AWG 26AWG	01~05 1m~5m
USFP28-DAC-xx	25Gbps	SFP28 To SFP28	30AWG 26AWG	01~05 1m~5m
UQQ28-DAC-xx	100Gbps – 2x 50Gbps	QSFP28 To 2x QSFP28	30AWG	01~03 1m~3m

FTTx Filter WDM 1310/1490/1550nm 滤波片式波分复用器 三网融合

UFW-4/35=1490Pass/1310&1550Reflect

UFW-5/34=1550Pass/1310&1490Reflect

UFW-34/5=1310&1490Pass/1550Reflect



CWDM DWDM MUX/DEMUX 波分复用器

Features:

- CWDM 18 Channels 1270~1610nm
- ITU 50GHz/100GHz/200GHz DWDM channel spacing, AWG 32CH 40CH 80CH
- Module-type or Rack mount
- Low insertion loss
- High channel isolation
- Compliant with ITU-T G694.2, Telcordia GR-63



Fiber Cable Assembly Indoor & Outdoor solution 室内外光纤跳线

CPRI Optical Cable Assemblies 基站跳线

CPRI Optical Cable Assembly, 2F FC/LC or LC/LC, SM 125um Or MM 50/125um GYFJH Cable 7.0mm LSZH, Stainless Steel spiral tube for fan out protection	
CPRI Optical Cable Assembly, 2F FC/LC or LC/LC, SM 125um Or MM 50/125um Entirely Armored cable 8.2mm PE, Stainless Steel spiral tube for fan out protection Grounding cable kit optional	
NSN 90° boot LC – LC Straight boot Armored Cable, SM 125um Or MM 50/125um Entirely Armored cable 8.2mm PE, Stainless Steel spiral tube for fan out protection Grounding cable kit optional	

Waterproof IP67 IP68 cables 室外防水跳线

IP67 Waterproof 2F DLC/LC, SM 125um Or MM 50/125um, RUU-BBU GYFJH Cable 7.0mm LSZH, Stainless Steel spiral tube for fan out protection	
IP67 Waterproof 2F FULLAXS LC/LC, SM 125um Or MM 50/125um 4.8mm Cable LSZH, Stainless Steel spiral tube for fan out protection Fully armored or without optional	
IP68 ODVA-LC/SC/MPO, SM 125um Or MM 50/125um 4.8mm Cable LSZH, Stainless Steel spiral tube for fan out protection Fully armored or without optional	

FTTH drop cables 光纤入户跳线

SM 9/125um G657B3 Bending-loss Insensitive 3.0mm LSZH SC/APC Black or White Insertion loss <0.25dB, Return loss <65dB	
FTTH Patch Cord (Drop Cable) SC/APC or SC/UPC, G652D, G657A1, G657A2 Optional FRP or metallic strength member 3.0mm PVC or LSZH	

Indoor Fiber Patch Cord 室内标准光纤跳线

Fiber type	Fiber core	Jacket	Cable OD	Connector A	Connector B	Cable length
SM 9/125um	1 core	PVC	0.9um	SC/LC/ST/FC/MU	SC/LC/ST/FC/MU	05=0.5m
OM1 62.5/125um	2 cores	LSZH	2.0um	MTRJ/E2000	MTRJ/E2000	10=1.0m
OM2 50/125um	12 cores	OFNP	3.0um	MPO Female	MPO Female	15=1.5m
OM3	24 cores		...	MPO Male	MPO Male	XX=Customized
OM4	...			MTP F/M	MTP F/M	