

Transceiver Product Guide

Part Number Nomenclature

Certifications

Skylane Optics transceivers are TUV certified.

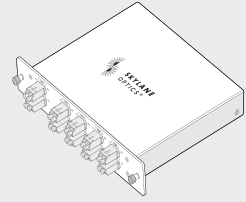
- ✓ EN 60950-1:2006 ITE, Safety, General requirements
- ✓ EN 60825-1:2007 Safety of laser products
- ✓ EN 60825-2:2004 Safety of Optical Fiber Communication Systems

Skylane Optics transceivers are CE and ROHS compliant.

Skylane Optics transceivers are UL and EAC certified.



Also available



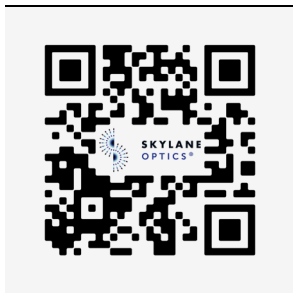
- ✓ EDFAMUX
- ✓ Passive WDM Mux
- ✓ Media Converters
- ✓ Patch Cables



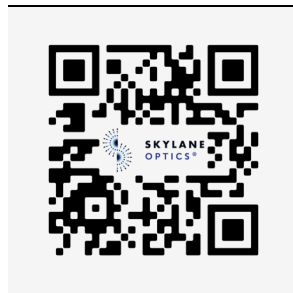
View our Passive & Media Converters pages

For more information, check out our website
www.skylaneoptics.com

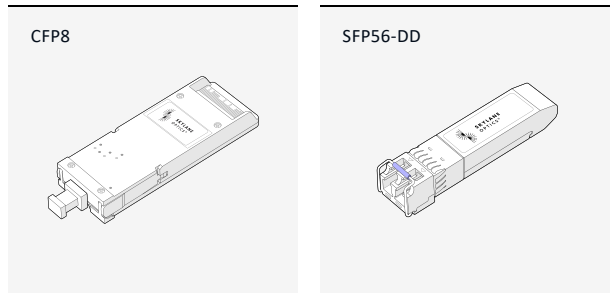
Contact us



Newsletter



Coming Soon



Transceivers for Datacom and Telecom Applications

Skylane Optics is a leading provider of transceivers for optical communication. We offer an extensive portfolio for the enterprise, access, and metropolitan fiber optical market.

The solutions provided by Skylane Optics are characterized by high quality and performance products. In combination with our strong technical support, we make it possible for our customers to build cost optimized network solutions solving existing and future capacity needs.

Why choose Skylane Optics?



Innovations for Early Adopters

The manufacturing environment is strictly compliant with most advanced technological standards, ensuring our products a long term reliability.



Quality & Assurance

Our Cutting-Edge test equipment verifies that each of our products meets our high-quality standards



Customization

Thanks to the specialists of our Engineering Department, we have full control over both the hardware and the software of all our transceivers.

Need your personal labelling? No problem, just ask and we provide!



Multi-Compatibility

Skylane Optics offers a true cost-effective solution for all major platforms including the original vendor firmware.



Technical Support

Any issues with your equipment? Just make some coffee, we are already dispatching an engineer to your premises to fix it.



Watch the video

Products

Our Engineering and Logistic Center

- ✓ Inventory, logistic, programming and quality control based in Fraire, Belgium
- ✓ IQC [Incoming Quality Control] and OQC [Outgoing Quality Control of each product]
- ✓ 100% optimized for transceivers handling
- ✓ ESD [ANSI/ESD S20.20] compliant
- ✓ Clean room environment; class 100K / ISO 8
- ✓ Traceability
- ✓ High Capacity
- ✓ Technical support
- ✓ RMA handling



Solutions

Data Center

Optimized fiber optic solution for Data Center applications

FTTH

Wide Product Portfolio and Technology for FTTH Broadband Networks

Wireless

Enabling Rapid Expansion of Mobile Broadband

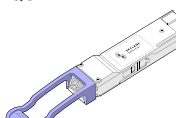
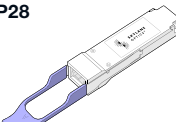
Enterprise - Campus

We provide the enterprise network market with the most comprehensive product combinations



Part Number Nomenclature



Product	Standard	Part Number	Data Rate	Media Type	Wavelength	Transmitter	Receiver	Distance / Power Budget	Protocol	T*	Connector	Notes
	CFP DCO (Digital)	CFDTULCxxx00	112 Gb/s	Dual Fiber DWDM	C-Band DWDM	Tunable Tx	Coherent Rx	Up to 3000km	100x Gigabit Ethernet - OTU-4	0°C to 70°C	LC	35
	CFP DCO (Digital)	CFDTULDxxx00	200 Gb/s	Dual Fiber DWDM	C-Band DWDM	Tunable Tx	Coherent Rx	Up to 2000km	2x (100x Gigabit Ethernet) – 2x (OTU-4)	0°C to 70°C	LC	35
	CFP2 DCO (Digital)	C2DTULDxxx00	200 Gb/s	Dual Fiber DWDM	C-Band DWDM	Tunable Tx	Coherent Rx	Up to 2000km	2x (100x Gigabit Ethernet) – 2x (OTU-4) / 1x (100x Gigabit Ethernet) – 1x (OTU-4)	0°C to 70°C	LC	24, 35
	CFP2 DCO (Digital)	C2DTULCxxx00	112 Gb/s	Dual Fiber DWDM	C-Band DWDM	Tunable Tx	Coherent Rx	Up to 2000km	100x Gigabit Ethernet - OTU-4	0°C to 70°C	LC	35
	CFP2 DCO (Digital)	C2DTUMCS1203	112 Gb/s	Dual Fiber DWDM	C-Band DWDM	Tunable Tx	Coherent Rx	Up to 80km	100x Gigabit Ethernet - OTU-4	0°C to 70°C	LC	35
	CFP2 DCO (Digital) ZR	C2DTUSExxx00	400Gb/s	Dual Fiber DWDM	C-Band DWDM	Tunable Tx	Coherent Rx	Up to 80km	400/300/200/100Gbps Payload	0°C to 70°C	LC	35
	CFP2 ACO (Analog)	C2DTUACOMR0x	200 Gb/s	Dual Fiber DWDM	C-Band DWDM	Tunable Tx	Coherent Rx	Up to 1200km	100G/200G	0°C to 70°C	LC	23
	QSFP-DD ZR (Digital)	Q8DTUSExxx01	400Gb/s	Dual Fiber DWDM	C-Band DWDM	Tunable Tx	Coherent Rx	Up to 120km	400/300/200/100Gbps Payload	0°C to 70°C	LC	35
	QSFP-DD OpenZR+ (Digital)	Q8DTUMES0902	400Gb/s	Dual Fiber DWDM	C-Band DWDM	Tunable Tx	Coherent Rx	Up to 480km	400/300/200/100Gbps Payload	0°C to 70°C	LC	
	QSFP-DD OpenZR+ 1d8	Q8DTULES1705	400Gb/s	Dual Fiber DWDM	C-Band DWDM	Tunable Tx	Coherent Rx	Up to 480km	400/300/200/100Gbps Payload	0°C to 70°C	LC	
	400GBase-SR8	OPF8SP10E0QF	400 Gb/s	Dual Fibre-SM	850 nm	8xVCSEL	8xPIN	100m	Ethernet	0°C to 70°C	MPQ-16	
	400GBase-DR4	OPF13P50E0PF	400 Gb/s	Dual Fibre-SM	1310 nm	4xCWDM LD	4xPIN	500m	Ethernet	0°C to 70°C	MPQ-12	
	400GBase-FR4	OPFQL002E00F	400 Gb/s	Dual Fibre-SM	CWDM(4x)	4xCWDM LD	4xPIN	2km	Ethernet	0°C to 70°C	LC	
	400GBase-DR+4	OPF13002E00F	400 Gb/s	Dual Fibre-SM	1310 nm	4xCWDM LD	4xPIN	2km	Ethernet	0°C to 70°C	MPQ-12	
	400GBase-LR4	OPFQL010E00F	400 Gb/s	Dual Fibre-SM	CWDM(4x)	4xCWDM LD	4xPIN	10km	Ethernet	0°C to 70°C	LC	
	400GBase-SR8	QB8SP10E0QF	400 Gb/s	Parallel Fibre-MM	850nm	8xVCSEL	8xPIN	100m	8x 50x Gigabit Ethernet	0°C to 70°C	MPQ-16	
	400GBASE-SR4.2	QB8SP10E0PF	400 Gb/s	Parallel Fibre-MM	850nm/910nm	8xVCSEL	8xPIN	100m	8x 50x Gigabit Ethernet	0°C to 70°C	MPQ-12	
	400GBase-DR4	QB813P50E0PF	400 Gb/s	Parallel Fibre-SM	1311nm	4xCWDM LD	4xPIN	500m	4x (100x Gigabit Ethernet)	0°C to 70°C	MPQ-12	
	400GBase-DR+4 (4xFR1)	QB813002E0PF	400 Gb/s	Parallel Fibre-SM	1311nm	4xCWDM LD	4xPIN	2km	4x (100x Gigabit Ethernet)	0°C to 70°C	MPQ-12	
	400GBase-DR+4 10km (4xLR1)	QB813010E0PF	400 Gb/s	Parallel Fibre-SM	1311nm	4xCWDM LD	4xPIN	10km	4x (100x Gigabit Ethernet)	0°C to 70°C	MPQ-12	
	400GBase-FR4	QB8QL002E00F	400 Gb/s	Dual Fibre-SM	1271/1291/1311/1331nm	4xCWDM LD	4xPIN	2km	400x Gigabit Ethernet	0°C to 70°C	LC	
	400GBase-LR4	QB8QL010E00F	400 Gb/s	Dual Fibre-SM	1271/1291/1311/1331nm	4xCWDM LD	4xPIN	10km	400x Gigabit Ethernet	0°C to 70°C	LC	
	400GBase-LR8	QB8PD010E00F	400 Gb/s	Dual Fibre-SM	1273.6/1277.9/1282.3/1286.7/1295.6/1300/1304.6/1309.1nm	8xLAN-WDM LD	8xPIN	10km	400x Gigabit Ethernet	0°C to 70°C	LC	
	2x 100GBase-CWDM4	QAQAL002D03F	200 Gb/s	Dual Fibre-SM	1271/1291/1311/1331nm	2x(4xCWDM LD)	2x(4xPIN)	2km	2x (100x Gigabit Ethernet)	0°C to 70°C	CS	
	2x 100GBase 4WDM-10	QAQAL010D03F	200 Gb/s	Dual Fibre-SM	1271/1291/1311/1331nm	2x(4xCWDM LD)	2x(4xPIN)	10km	2x (100x Gigabit Ethernet)	0°C to 70°C	CS	
	200GBase-LR4	QBPD0010D00F	200 Gb/s	Dual Fibre-SM	1295.6/1300/1304.6/1309.1nm	4xLAN-WDM LD	4xPIN	10km	200x Gigabit Ethernet) PAM 4	0°C to 70°C	LC	
	2x 100GBase-LR4	QAQD0010D03D	200 Gb/s	Dual Fibre-SM	1295.6/1300/1304.6/1309.1nm	2x(4xLAN-WDM LD)	2x(4xPIN)	10km	2x (100x Gigabit Ethernet)	0°C to 70°C	CS	
	200GBase-ER4	QBPD0040D00F	200 Gb/s	Dual Fibre-SM	1295.6/1300/1304.6/1309.1nm	4xLAN-WDM LD	4xPIN	10km	200x Gigabit Ethernet) PAM 4	0°C to 70°C	LC	
	200GBase-SR4	Q568SP10D0PF	200 Gb/s	Parallel Fibre-MM	850nm	4xVCSEL	4xPIN	100m	200x Gigabit Ethernet	0°C to 70°C	MPQ-12	
	200GBase-DR4	Q5613P50D0PF	200 Gb/s	Parallel Fibre-SM	1311nm	4xCWDM LD	4xPIN	500m	200x Gigabit Ethernet	0°C to 70°C	MPQ-12	
	200GBase-FR4	Q56QL002D00F	200 Gb/s	Dual Fibre-SM	1271/1291/1311/1331nm	4xCWDM LD	4xPIN	2km	200x Gigabit Ethernet	0°C to 70°C	LC	
	200GBase-FR4 10km	Q56QL010D00F	200 Gb/s	Dual Fibre-SM	1271/1291/1311/1331nm	4xCWDM LD	4xPIN	10km	200x Gigabit Ethernet	0°C to 70°C	LC	
	200GBase-LR4	Q56QD0010D00F	200 Gb/s	Dual Fibre-SM	1295.6/1300/1304.6/1309.1nm	4xLAN-WDM LD	4xPIN	10km	200x Gigabit Ethernet	0°C to 70°C	LC	
	100GBase-[e]SR4	Q288SP10CxF	100 Gb/s	Parallel Fibre-MM	850nm	4xVCSEL	4xPIN	100/300m	100x Gigabit Ethernet	0°C to 70°C	MPQ-12	26
	100GBase-PSM4	Q2813P50C0PF	100 Gb/s	Parallel Fibre-SM	1310nm	4xLD	4xPIN	500m	100x Gigabit Ethernet	0°C to 70°C	MPQ-12	
	100GBase-SR-Bidi	Q288SP70C0D0	100 Gb/s	Dual Fibre-MM	850/900nm	2xVCSEL	2xPIN	70m	2x 50 Gigabit Ethernet	0°C to 70°C	LC	
	100GBase-CLR4	Q28QL002C00D	100 Gb/s	Dual Fibre-SM	1271/1291/1311/1331nm	4xCWDM LD	4xPIN	2km	100x Gigabit Ethernet	0°C to 70°C	LC	18
	100GBase-CWDM4	Q28QL002C00F	100 Gb/s	Dual Fibre-SM	1271/1291/1311/1331nm	4xCWDM LD	4xPIN	2km	100x Gigabit Ethernet	0°C to 70°C	LC	17
	100GBase-4WDM-10	Q28QL010C0xF	100 Gb/s	Dual Fibre-SM	1271/1291/1311/1331nm	4xCWDM LD	4xPIN	10km	100x Gigabit Ethernet	-40 to 85°C	LC	
	100GBase-4WDM-20	Q28QD020C0xF	100 Gb/s	Dual Fibre-SM	LAN-WDM 800GHz	4xLAN-WDM LD	4xPIN	20km	100x Gigabit Ethernet	-40 to 85°C	LC	28
	100GBase-[e]LR4	Q28QD010C0D0	100 Gb/s	Dual Fibre-SM	LAN-WDM 800GHz	4xLAN-WDM LD	4xPIN	10/20km	100x Gigabit Ethernet	-40 to 85°C	LC	25,28,30
	100GBase-LR4 RX Only	Q58SM70C0C0	100 Gb/s	Dual Fibre-SM	LAN-WDM 800GHz (Rx WL)	n/a	4xPIN	n/a	100x Gigabit Ethernet	0°C to 70°C	LC	
	100GBase-[e]LR4/OTU4	Q28QD010C1xD	112 Gb/s	Dual Fibre-SM	LAN-WDM 800GHz	4xLAN-WDM LD	4xPIN	10/20km	100x Gigabit Ethernet - OTU-4	-40 to 85°C	LC	28,30
	100GBase-ER4 Lite	Q28QD040C0xF	100 Gb/s	Dual Fibre-SM	LAN-WDM 800GHz	4xLAN-WDM LD	4xAPD	40km	100x Gigabit Ethernet	-40 to 85°C	LC	20,28
	100GBase-ER4 Lite/OTU4	Q28QD040C1xF	112 Gb/s	Dual Fibre-SM	LAN-WDM 800GHz	4xLAN-WDM LD	4xAPD	40km	100x Gigabit Ethernet - OTU-4	0°C to 70°C	LC	20,28
	100GBase-ER4 Lite (SW)	Q28QD040C05F	100 Gb/s	Dual Fibre-SM	LAN-WDM 800GHz	4xLAN-WDM LD	4xPIN + SOA	40km	100x Gigabit Ethernet	0°C to 70°C	LC	20,28,33
	100GBase-4WDM-40	Q28QD040C07F	100 Gb/s	Dual Fibre-SM	LAN-WDM 800GHz	4xLAN-WDM LD	4xAPD	40km	100x Gigabit Ethernet	0°C to 70°C	LC	20,28,33
	100GBase-ER4/OTU4	Q28QD040Cv5D	112 Gb/s	Dual Fibre-SM	LAN-WDM 800GHz	4xLAN-WDM LD	4xPIN + SOA	40km	100x Gigabit Ethernet - OTU-4	0°C to 70°C	LC	28,33
	100GBase-ZR4	Q28QD080C05F	100 Gb/s	Dual Fibre-SM	LAN-WDM 800GHz	4xLAN-WDM LD	4xPIN + SOA	80km	100x Gigabit Ethernet	0°C to 70°C	LC	28,33
	100GBase-ZR4+	Q28QD081C0YF	100 Gb/s	Parallel Fibre-SM	LAN-WDM 800GHz	4xLAN-WDM EML	4xPIN + SOA	Up to 95 km	100x Gigabit Ethernet	0°C to 70°C	LC	28,33
	100GBase-SR1.2	Q28SM70C00F	100 Gb/s	Dual Fibre-MM	850/900nm	2xVCSEL	2xPIN	70m	2x 50 Gigabit Ethernet	0°C to 70°C	LC	
	100GBase-DR Single Lambda	Q2C13P50C0PF	100 Gb/s	Dual Fibre-SM	1311nm	CWDM LD	PIN	500m	100x Gigabit Ethernet PAM4	0°C to 70°C	LC	
	100GBase-FR Single Lambda	Q2C31002C00F	100 Gb/s	Dual Fibre-SM	1311nm	CWDM LD	PIN	2km	100x Gigabit Ethernet PAM4	0°C to 70°C	LC	
	100GBase-LR Single Lambda	Q2Cxx010C00F	100 Gb/s	Dual Fibre-SM	1271/1291/1311/1331nm	CWDM LD	PIN	10km	100x Gigabit Ethernet PAM4	0°C to 70°C	LC	
	100GBase-ER Single Lambda	Q2L12100C00F	100 Gb/s	Dual Fibre-SM	1309.14nm	LAN-WDM	APD	40km	100x Gigabit Ethernet PAM4	0°C to 70°C	LC	
	100G nWDM-8	Q2L119-31020C00F	100 Gb/s	Dual Fibre-SM	8x O-band channels	LAN-WDM	APD	20km	100x Gigabit Ethernet PAM4	0°C to 70°C	LC	
	100G LR1 Bidi	Q2										