

TransRack Series



Value

- > DIN-Rail devices inside a standard 19" rack or cabinet
- > Unique depth adjustment feature to fit any size of equipment
- > One standard 35mm (1.38") DIN-Rail track included

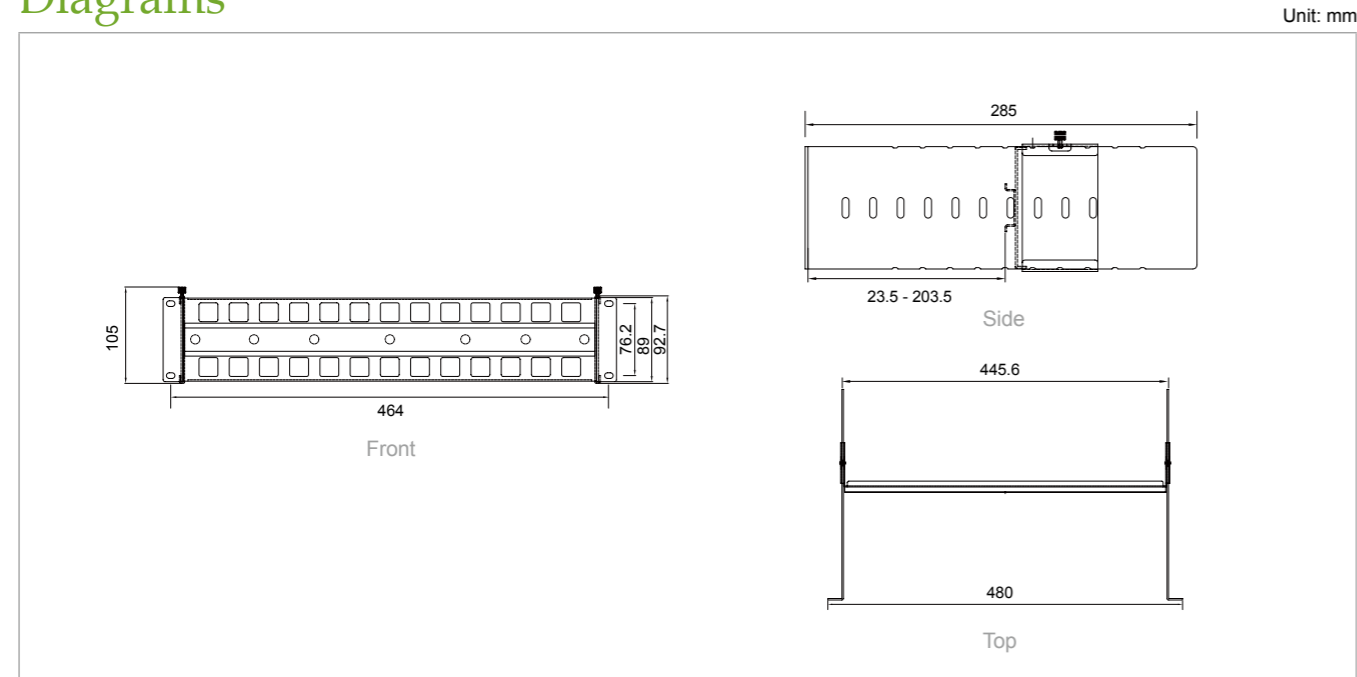
Features

- > Patent-pending design
- > Heavy-duty cold-rolled steel
- > Adjustable in depth from 50mm (2") to 210mm (8.25")
- > Dimensions : 464mm (19") x 105mm (4.13") x 285mm (11.22") (W x H x D)

Ordering Information

TransRack	KR-DINRAILB
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Diagrams



SFP Fiber Transceivers Series



Value

- > All SFPs have been tested with the best operating performance on EtherWAN switches
- > Gigabit Ethernet applications and are compliant to IEEE802.3z
- > The characteristics are performed in accordance with Telcordia Specification GR-468-CORE

Features

- > Data Rate: 1.25Gbps, NRZ
- > Single +3.3V Power Supply
- > RoHS Compliant and Lead-free
- > AC/AC Differential Electrical Interface
- > Eye Safety Designed to meet Laser Class 1 comply with EN60825-1
- > Compliant with Multi-Source Agreement (MSA) Small Form Factor Pluggable (SFP)
- > Compliance with specifications for IEEE-802.3z Gigabit Ethernet at 1.25 Gbps
- > EMC requirement meets FCC in the United States and CENELEC EN55022 (CISPR 22) in Europe

Ordering Information

Non-Hardened SFP Series

Model Number	Designation	Distance	Cable Type	Wavelength (nm)	Connector Type	Link Budget
EXFE-R1S4-05H1	100BASE-TX	100m	-	-	TX	-
EX-0155NSP-MB2L	100BASE-MM	2Km	62.5/125µm, MM	1310	Duplex LC	13 dBm
EX-0155TSP-MB5L	100BASE-SM	15Km	9/125µm, SM	1310	Duplex LC	17 dBm
EX-0155TSP-MB6L	100BASE-SM	40Km	9/125µm, SM	1310	Duplex LC	29 dBm
EX38-A3S-TC-N-B3	100BASE-MM	2Km	62.5/125 µm/ 50/125 µm, MM	TX:1310 / RX:1550	Single LC	18 dBm
EX48-A3S-TC-N-B5	100BASE-MM	2Km	62.5/125 µm/ 50/125 µm, MM	TX:1550 / RX:1310	Single LC	18 dBm
EX-0155TBP-MB5L	100BASE-SM	20Km	9/125µm, SM	TX:1310 / RX:1550	Single LC	18 dBm
EX-0155TBP-LB5L	100BASE-SM	20Km	9/125µm, SM	TX:1550 / RX:1310	Single LC	18 dBm
EX-0155TBP-MB6L	100BASE-SM	40Km	9/125µm, SM	TX:1310 / RX:1550	Single LC	26 dBm
EX-0155TBP-KB6L	100BASE-SM	40Km	9/125µm, SM	TX:1550 / RX:1310	Single LC	26 dBm
EX-1250NSP-SB1L	1000BASE-SX	275M/550M	62.5/125 µm/ 50/125 µm, MM	850	Duplex LC	7.5 dBm
EX-1250TSP-MB2L	1000BASE-SX	2KM	62.5/125µm, MM	1310	Duplex LC	13.5 dBm
EX-1250TSP-MB4L	1000BASE-LX	10KM	9/125µm, SM	1310	Duplex LC	11.5 dBm
EX-1250TSP-MB5L	1000BASE-LX	20KM	9/125µm, SM	1310	Duplex LC	15 dBm
EX-1250TSP-NB6L	1000BASE-LX	40KM	9/125µm, SM	1310	Duplex LC	20 dBm
EX-1250TSP-KB8L	1000BASE-LX	70KM	9/125µm, SM	1550	Duplex LC	23 dBm
EX-1250TSP-CB8L	1000BASE-LX	70KM	9/125µm, SM	1550	Duplex LC	24 dBm
EX-1250TBP-MB1L	1000BASE-BX WDM	550M	62.5/125 µm/ 50/125 µm, MM	TX:1310 / RX:1550	Single LC	7 dBm
EX-1250TBP-MB1L	1000BASE-BX WDM	550M	62.5/125 µm/ 50/125 µm, MM	TX:1550 / RX:1310	Single LC	7 dBm
EX-1250TBP-MB4L	1000BASE-BX WDM	10KM	9/125µm, SM	TX:1310 / RX:1550	Single LC	12 dBm
EX-1250TBP-KB4L	1000BASE-BX WDM	10KM	9/125µm, SM	TX:1550 / RX:1310	Single LC	12 dBm
EX-1250TBP-MB5L	1000BASE-BX WDM	20KM	9/125µm, SM	TX:1310 / RX:1550	Single LC	15 dBm
EX-1250TBP-KB5L	1000BASE-BX WDM	20KM	9/125µm, SM	TX:1550 / RX:1310	Single LC	15 dBm
EX-1250TBP-NB6L-D	1000BASE-BX WDM	40KM	9/125µm, SM	TX:1310 / RX:1550	Single LC	20 dBm
EX-1250TBP-KB6L-D	1000BASE-BX WDM	40KM	9/125µm, SM	TX:1550 / RX:1310	Single LC	20 dBm
EX-1250TBP-NB7L-D	1000BASE-BX WDM	60KM	9/125µm, SM	TX:1310 / RX:1550	Single LC	25 dBm
EX-1250TBP-KB7L-D	1000BASE-BX WDM	60KM	9/125µm, SM	TX:1550 / RX:1310	Single LC	23 dBm
EX-1250TBP-CB8L-D (1490nm)	1000BASE-BX WDM	80KM	9/125µm, SM	TX:1490 / RX:1570	Single LC	24 dBm
EX-1250TBP-CB8L-D (1570nm)	1000BASE-BX WDM	80KM	9/125µm, SM	TX:1570 / RX:1490	Single LC	24 dBm

Ethernet Switches
Media Converters
Ethernet Extenders
Serial Device Servers
Accessories

Hardened SFP Series

Model Number	Designation	Distance	Cable Type	Wavelength (nm)	Connector Type	Link Budget
EX-0155NSP-MB2L-A	100BASE-MM	2Km	62.5/125µm, MM	1310	Duplex LC	13 dBm
EX-0155TSP-MB5L-A	100BASE-SM	15Km	9/125µm, SM	1310	Duplex LC	19 dBm
EX-0155TSP-MB6L-A	100BASE-SM	40Km	9/125µm, SM	1310	Duplex LC	30 dBm
EX38-A3S-TI-N-B3	100BASE-MM	2Km	62.5/125 µm/ 50/125 µm, MM	TX:1310 / RX:1550	Single LC	18 dBm
EX48-A3S-TI-N-B5	100BASE-MM	2Km	62.5/125 µm/ 50/125 µm, MM	TX:1550 / RX:1310	Single LC	18 dBm
EX-0155TBP-MB5L-A	100BASE-SM	20Km	9/125µm, SM	TX:1310 / RX:1550	Single LC	18 dBm
EX-0155TBP-LB5L-A	100BASE-SM	20Km	9/125µm, SM	TX:1550 / RX:1310	Single LC	18 dBm
EX-0155TBP-MB6L-A	100BASE-SM	40Km	9/125µm, SM	TX:1310 / RX:1550	Single LC	26 dBm
EX-0155TBP-KB6L-A	100BASE-SM	40Km	9/125µm, SM	TX:1550 / RX:1310	Single LC	26 dBm
EX-1250NSP-SB1L-A	1000BASE-SX	275M/ 550M	62.5/125 µm/ 50/125 µm, MM	850	Duplex LC	7.5 dBm
EX-1250TSP-MB2L-A	1000BASE-SX	2KM	62.5/125µm, MM	1310	Duplex LC	13.5 dBm
EX-1250TSP-MB4L-A	1000BASE-LX	10KM	9/125µm, SM	1310	Duplex LC	11.5 dBm
EX-1250TSP-MB5L-A	1000BASE-LX	20KM	9/125µm, SM	1310	Duplex LC	15 dBm
EX-1250TSP-NB6L-A	1000BASE-LX	40KM	9/125µm, SM	1310	Duplex LC	20 dBm
EX-1250TSP-KB8L-A	1000BASE-LX	70KM	9/125µm, SM	1550	Duplex LC	23 dBm
EX-1250TBP-MB1L-A	1000BASE-BX WDM	550M	62.5/125 µm/ 50/125 µm, MM	TX:1310 / RX:1550	Single LC	7 dBm
EX-1250TBP-LB1L-A	1000BASE-BX WDM	550M	62.5/125 µm/ 50/125 µm, MM	TX:1550 / RX:1310	Single LC	7 dBm
EX-1250TBP-MB4L-A	1000BASE-BX WDM	10KM	9/125µm, SM	TX:1310 / RX:1550	Single LC	12 dBm
EX-1250TBP-KB4L-A	1000BASE-BX WDM	10KM	9/125µm, SM	TX:1550 / RX:1310	Single LC	12 dBm
EX-1250TBP-MB5L-A	1000BASE-BX WDM	20KM	9/125µm, SM	TX:1310 / RX:1550	Single LC	15 dBm
EX-1250TBP-KB5L-A	1000BASE-BX WDM	20KM	9/125µm, SM	TX:1550 / RX:1310	Single LC	15 dBm

SFP Fiber Transceivers Specifications

Specifications of Non-Hardened SFP Fiber Transceiver

Model Number	Product Information						
	Connector Type	Wavelength (nm)	Distance	Link Budget	Optical Output Power	Sensitivity	Case Operating Temperature
EXFE-R1S4-05H1	TX	-	100m	-	-	-	0°C to 70°C (32°F to 158°F)
EX-0155NSP-MB2L	Duplex LC	1310	2Km	13 dBm	-19 to -14 dBm	-32 dBm	
EX-0155TSP-MB5L	Duplex LC	1310	15Km	17 dBm	-15 to -8 dBm	-32 dBm	
EX-0155TSP-MB6L	Duplex LC	1310	40Km	29 dBm	-5 to 0 dBm	-34 dBm	
EX38-A3S-TC-N-B3	Single LC	TX:1310 / RX:1550	2Km	18 dBm	-10 to 0 dBm	-28 dBm	
EX48-A3S-TC-N-B5	Single LC	TX:1550 / RX:1310	2Km	18 dBm	-10 to 0 dBm	-28 dBm	
EX-0155TBP-MB5L	Single LC	TX:1310 / RX:1550	20Km	18 dBm	-14 to -8 dBm	-32 dBm	
EX-0155TBP-LB5L	Single LC	TX:1550 / RX:1310	20Km	18 dBm	-14 to -8 dBm	-32 dBm	
EX-0155TBP-MB6L	Single LC	TX:1310 / RX:1550	40Km	26 dBm	-8 to -3 dBm	-34 dBm	
EX-0155TBP-KB6L	Single LC	TX:1550 / RX:1310	40Km	26 dBm	-8 to -3 dBm	-34 dBm	
EX-1250NSP-SB1L	Duplex LC	850	275M (62.5/125 µm)/ 550M (50/125 µm), MM	7.5 dBm	-9.5 to -4 dBm	-17 dBm	
EX-1250TSP-MB2L	Duplex LC	1310	2KM (62.5/125 µm), MM	13.5 dBm	-9.5 to -3 dBm	-23 dBm	
EX-1250TSP-MB4L	Duplex LC	1310	10KM (9/125µm), SM	11.5 dBm	-9.5 to -3 dBm	-21 dBm	
EX-1250TSP-MB5L	Duplex LC	1310	20KM (9/125µm), SM	15 dBm	-9 to -3 dBm	-24 dBm	
EX-1250TSP-NB6L	Duplex LC	1310	40KM (9/125µm), SM	20 dBm	-3 to +2 dBm	-23 dBm	
EX-1250TSP-KB8L	Duplex LC	1550	70KM (9/125µm), SM	23 dBm	0 to +5 dBm	-23 dBm	
EX-1250TSP-CB8L	Duplex LC	1550	70KM (9/125µm), SM	24 dBm	0 to +5 dBm	-24 dBm	
EX-1250TBP-MB1L	Single LC	TX:1310 / RX:1550	550M (62.5/125 µm), MM	7 dBm	-10 to -4 dBm	-17 dBm	
EX-1250TBP-MB1L	Single LC	TX:1550 / RX:1310	550M (62.5/125 µm), MM	7 dBm	-10 to -4 dBm	-17 dBm	
EX-1250TBP-MB4L	Single LC	TX:1310 / RX:1550	10KM (9/125µm), SM	12 dBm	-9 to -3 dBm	-21 dBm	
EX-1250TBP-KB4L	Single LC	TX:1550 / RX:1310	10KM (9/125µm), SM	12 dBm	-9 to -3 dBm	-21 dBm	
EX-1250TBP-MB5L	Single LC	TX:1310 / RX:1550	20KM (9/125µm), SM	15 dBm	-8 to -3 dBm	-23 dBm	
EX-1250TBP-KB5L	Single LC	TX:1550 / RX:1310	20KM (9/125µm), SM	15 dBm	-8 to -3 dBm	-23 dBm	
EX-1250TBP-NB6L-D	Single LC	TX:1310 / RX:1550	40KM (9/125µm), SM	20 dBm	-3 to +2 dBm	-23 dBm	
EX-1250TBP-KB6L-D	Single LC	TX:1550 / RX:1310	40KM (9/125µm), SM	20 dBm	-3 to +2 dBm	-23 dBm	
EX-1250TBP-NB7L-D	Single LC	TX:1310 / RX:1550	60KM (9/125µm), SM	25 dBm	0 to +5 dBm	-23 dBm	
EX-1250TBP-KB7L-D	Single LC	TX:1550 / RX:1310	60KM (9/125µm), SM	23 dBm	-2 to +3 dBm	-25 dBm	
EX-1250TBP-CB8L-D (1490nm)	Single LC	TX:1490 / RX:1570	80KM (9/125µm), SM	24 dBm	-1 to +4 dBm	-25 dBm	
EX-1250TBP-CB8L-D (1570nm)	Single LC	TX:1570 / RX:1490	80KM (9/125µm), SM	24 dBm	-1 to +4 dBm	-25 dBm	

Specifications of Hardened SFP Fiber Transceiver

Model Number	Product Information						
	Connector Type	Wavelength (nm)	Distance	Link Budget	Optical Output Power	Sensitivity	Case Operating Temperature
EX-0155NSP-MB2L-A	Duplex LC	1310	2Km	13 dBm	-19 to -14 dBm	-32 dBm	-40°C to 85°C (-40°F to 185°F)
EX-0155TSP-MB5L-A	Duplex LC	1310	15Km	19 dBm	-15 to -8 dBm	-34 dBm	
EX-0155TSP-MB6L-A	Duplex LC	1310	40Km	30 dBm	-5 to 0 dBm	-35 dBm	
EX38-A3S-TI-N-B3	Single LC	TX:1310 / RX:1550	2Km	18 dBm	-10 to 0 dBm	-28 dBm	
EX48-A3S-TI-N-B5	Single LC	TX:1550 / RX:1310	2Km	18 dBm	-10 to 0 dBm	-28 dBm	
EX-0155TBP-MB5L-A	Single LC	TX:1310 / RX:1550	20Km	18 dBm	-14 to -8 dBm	-32 dBm	
EX-0155TBP-LB5L-A	Single LC	TX:1550 / RX:1310	20Km	18 dBm	-14 to -8 dBm	-32 dBm	
EX-0155TBP-MB6L-A	Single LC	TX:1310 / RX:1550	40Km	26 dBm	-8 to -3 dBm	-34 dBm	
EX-0155TBP-KB6L-A	Single LC	TX:1550 / RX:1310	40Km	26 dBm	-8 to -3 dBm	-34 dBm	
EX-1250NSP-SB1L-A	Duplex LC	850	275M (62.5/125 µm)/ 550M (50/125 µm), MM	7.5 dBm	-9.5 to -4 dBm	-17 dBm	
EX-1250TSP-MB2L-A	Duplex LC	1310	2KM (62.5/125 µm), MM	13.5 dBm	-9.5 to -3 dBm	-23 dBm	
EX-1250TSP-MB4L-A	Duplex LC	1310	10KM (9/125µm), SM	11.5 dBm	-9.5 to -3 dBm	-21 dBm	
EX-1250TSP-MB5L-A	Duplex LC	1310	20KM (9/125µm), SM	15 dBm	-9 to -3 dBm	-24 dBm	
EX-1250TSP-NB6L-A	Duplex LC	1310	40KM (9/125µm), SM	20 dBm	-3 to +2 dBm	-23 dBm	
EX-1250TSP-KB8L-A	Duplex LC	1550	70KM (9/125µm), SM	23 dBm	0 to +5 dBm	-23 dBm	
EX-1250TBP-MB1L-A	Single LC	TX:1310 / RX:1550	550M (62.5/125 µm), MM	7 dBm	-10 to -4 dBm	-17 dBm	
EX-1250TBP-LB1L-A	Single LC	TX:1550 / RX:1310	550M (62.5/125 µm), MM	7 dBm	-10 to -4 dBm	-17 dBm	
EX-1250TBP-MB4L-A	Single LC	TX:1310 / RX:1550	10KM (9/125µm), SM	12 dBm	-9 to -3 dBm	-21 dBm	
EX-1250TBP-KB4L-A	Single LC	TX:1550 / RX:1310	10KM (9/125µm), SM	12 dBm	-9 to -3 dBm	-21 dBm	
EX-1250TBP-MB5L-A	Single LC	TX:1310 / RX:1550	20KM (9/125µm), SM	15 dBm	-8 to -3 dBm	-23 dBm	
EX-1250TBP-KB5L-A	Single LC	TX:1550 / RX:1310	20KM (9/125µm), SM	15 dBm	-8 to -3 dBm	-23 dBm	