

Technical data

General signal extender features

AUDIO-TRANSCIEVER-FIBER		
Analog audio	Audio connector:	1 × 3.5 mm jack plug (Line In) 1 × 3.5 mm jack plug (Line Out)
	Sampling rate:	96kS/s (Line In) 192kS/s (Line Out)
	Resolution:	24 bit
	Bandwidth:	22 Hz - 22 kHz
	Microphone pre-amplification	Max. 24 dB
	Input voltage	Max. 1 Vrms
	Output voltage	Max. 1 Vrms
	Digital audio ‣ not supported by ANALOG variant	Audio connector:
Signal:		SPDIF, Consumer, PCM Stereo
Sampling rate:		44.1 - 192 kS (Digital Audio – In) 48; 96 or 192 kS (Digital Audio – Out)
Resolution:		24 bit
Bandwidth:		22 Hz - 22 kHz
Data transmission between extenders		Interface:
	Transmission length:	‣ see features of transmission modules
Power supply	Type:	Portable power pack
	Connector:	Mini-DIN 4 socket
	Current consumption:	Max. 300 mA @ 12VDC
	Power consumption:	Max. 2.0 W @ 12VDC
Casing	Material:	Anodised aluminium
	Dimensions (W × H × D):	105 × 26 × 84 mm
	Weight:	Approx. 220 g
Operational environment	Temperature:	+5 to +45 °C
	Air humidity:	< 85%, non-condensing
Conformity		CE, RoHS

Features of transmissions modules

MULTIMODE TRANSMISSION MODULE		
Data transmission	Type:	Optical fibers (2 optical fibers)
	Type of interface:	LC duplex
Cable length (max.)	Multimode 50/125 μm , class OM2:	550 meters
	Multimode 62,5/125 μm , class OM1:	250 meters
Performance data	Wavelength (λ):	850 nm (770 nm to 860 nm)
	Optical output power (P_{AVG}) in 50 or 62,5 μm MMF:	-9.0 dBm to -2.5 dBm
	Receiving sensitivity (P_{MIN}):	-18 dBm
	Sensitivity – Stressed (P_S):	-13.5 dBm (50 μm MMF)
SINGLEMODE TRANSMISSION MODULE		
Data transmission	Type:	Optical fibers (2 optical fibers)
	Type of interface:	LC duplex
Cable length (max.)	Singlemode 9/125 μm , Class OS1:	10 kilometers
	Wavelength (λ):	1310 nm (1270 nm to 1360 nm)
Performance data	Optical output power (P_{AVG}) in 9 μm SMF:	-9.5 dBm to -3 dBm
	Receiving sensitivity (P_{MIN}):	-19 dBm
	Sensitivity – Stressed (P_S):	-14.5 dBm