

USB2.0 Optical Extender

6KM 480Mbps 4 Ports HUB

Single Mode Optical Cable

Compatible with USB2.0/USB1.1

P/N: USBEXTEND-8



User Manual

Ver. 1.0

Thank you for purchasing this product






For optimum performance and safety, please read these instructions carefully before connecting operating or adjusting this product. Please keep this manual for future reference.

Package Contents

Name	Qty
USB2.0 Optical Transmitter (TX, local unit)	1 PC
USB2.0 Optical Receiver (RX, remote unit)	1 PC
USB Input Cable (1.5m, black, M/M)	1 PC
Power Adapter 5V/2A (for receiver)	1 PC
User Manual	1 PC

Compliance

This product is compliant with below standards

Standards		Versions
	USB	2.0
	CE	✓
	FCC	✓
	RoHS	✓
	WEEE	✓

1. Introduction

The **USB2.0 Optical Transceiver** allows you to transfer USB2.0 data through a single mode optical cable. Max. distance is up to 6KM and the transfer rate is up to High-Speed 480Mbps. It is backward compatible with older version.

2. Features

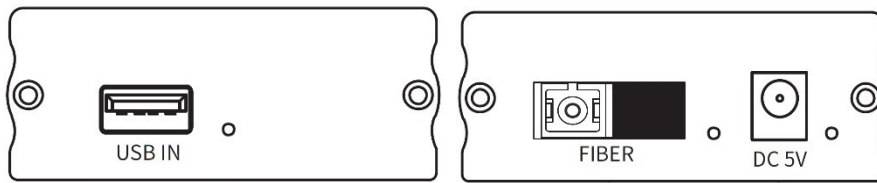
- Using a single mode (SM) optical cable to extend USB2.0 signal to 6KM;
- High-Speed 480Mbps;
- 4 USB2.0 ports on receiver;
- Backward compatible with older version;
- Support OS: Win7/10, Mac, Linux

3. Specifications

Function		Description
Connectors		
Transmitter	USB Input	USB Type A (F) x1, black
	Optical Connector	SC x1
	Power Input	*Optional Power Input DC Jack (black), 5V/1A
	*Power adapter is not a must for Transmitter	
Receiver	USB Outputs	USB Type A (F) x4, black
	Optical Connector	SC x1
	Power Input	DC Jack (black), 5V/2A
Technical Data		
USB Standards	USB2.0 High-Speed 480Mbps	
Max. Distance	6KM by optical cable (SM)	
Compatibility	USB2.0 or 1.1 devices	
USB Input Cable	1.5m Type A, M/M, black	
Operating System		
OS Supports	Win7/10, Mac, Linux	
LEDs		
Transmitter	Power LED x1, Optical Connection LED x1, USB Input LED x1	
Receiver	Power LED x1, Optical Connection LED x1, USB Outputs LED x1	
Environmental		
Operating Temp.	0 - 40°C	
Humidity	5-85% RH, Non-Condensing	
Physical Properties		
Housing	Aluminum	
Weight	TX 150g, RX 150g	
Dimension (L x W x H)	TX/RX: 103x97x29 mm	
Power Adapters	Input: AC 100 – 240V 50/60Hz; Output: DC 5V/2A	

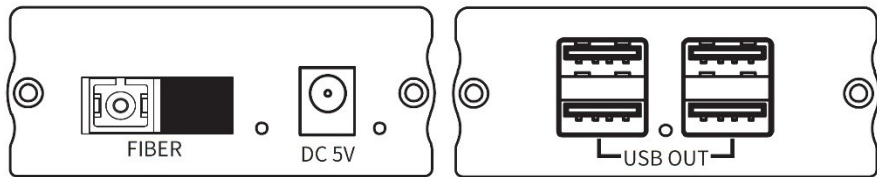
4. Components

4.1 Transmitter (TX, local unit) Panel



Name	Function Description
USB Input	Connects with a host computer, Type A, female.
⊙	USB Connection LED indicator
FIBER	Connects with Receiver's optical port (SC, SM)
⊙	Optical Connection LED indicator
DC 5V	Optional Power Input Port to connect with a DC 5V/1A adapter, this adapter is not a must, the transmitter will take power from the Input USB Cable. * This power adapter is not included in the package.
⊙	Power LED indicator

4.2 Receiver (RX, remote unit) Panel



Name	Function Description
FIBER	Connects with Transmitter's optical port (SC, SM)
⊙	Optical Connection LED indicator
DC 5V	Connects with a DC 5V/2A power adapter *Only the Receiver requires a power adapter, and it is included in the package.
⊙	Power LED indicator
USB OUT	Four USB2.0 Type A outputs, female.
⊙	USB Connection LED indicator

5. Installation Diagram

