

MPTP-FUB-3.2

USB3.1 / 2.0 / 1.1 Fiber Extender



The MPTP-FUB-3.2 is a USB optical fiber extender designed for long-distance transmission of USB3.1/2.0/1.1 signals over single-mode or OM3 multi-mode fiber. It provides an integrated four-port USB 3.1 hub and plug-and-play operation without driver installation.

KEY FEATURES

- Compatible with USB3.1, USB2.0 and USB1.1.
- USB3.1 Gen1 data rate up to 5 Gbps; USB2.0 up to 480 Mbps; USB1.1 up to 12 Mbps.
- Integrated 4-port USB 3.1 hub supporting USB3.1/2.0/1.1 devices.
- Long-distance transmission over single-mode fiber or OM3 multi-mode fiber.
- 1× LC fiber connector and USB3.1-to-optical-fiber conversion with no delay.
- External DC 12V power supply and strong anti-electromagnetic interference performance.
- Metal enclosure with four mounting holes for secure installation.

TECHNICAL SPECIFICATIONS

Parameter	Specification
USB Standards	USB3.1 Gen1 / USB2.0 / USB1.1
USB3.1 Data Rate	5 Gbps
USB2.0 Data Rate	480 Mbps
USB1.1 Data Rate	12 Mbps
USB3.1 Distance	Single-mode or OM3 multi-mode fiber: non-real-time 300 m; real-time 100 m
USB2.0/1.1 Distance	Single-mode fiber: non-real-time 10 km; real-time 6 km. OM3 multi-mode fiber: 500 m
Transmitter Model	MPTP-FUB-3.2T
Transmitter USB	1× USB3.0 Type-B male
Transmitter Fiber	1× LC
Transmitter Dimensions	135 × 75 × 26 mm
Receiver Model	MPTP-FUB-3.2R
Receiver USB	4× USB3.0 Type-A female
Receiver Fiber	1× LC
Receiver Dimensions	160 × 85 × 26 mm

Parameter	Specification
Enclosure	Metal
Mounting	4 mounting holes for fixing
Power Supply	External DC 12V

ENVIRONMENTAL SPECIFICATIONS	
Parameter	Specification
Operating Temperature	−10°C to +60°C (+50°F to +140°F)
Storage Temperature	−45°C to +85°C (−49°F to +185°F)
Operating Humidity	20% to 80% RH, non-condensing
Storage Humidity	10% to 80% RH

APPLICATIONS	
• Machine Vision • Security Monitoring • Data Storage • Video Conference • Medical Equipment Systems	

Source: supplied MPTP-FUB-3.2 User Manual, Version MPTP-FUB-3.2_2021V1.0. Specifications are reproduced from the manual; transmission distance depends on fiber type and operating mode.