

FAL-USB-100-U2

USB2.0 over CAT Extender 100 meters

FALCON



The USB 2.0 Extender extends USB signals up to 100m (328ft) using a single Cat5e/6 cable. The transmitter connects to a PC via a USB-B port, while the receiver allows you to connect USB devices, such as flash drives or printers, through two USB ports. Both the transmitter and receiver support POC (Power over Cable) functionality. This extender is ideal for long-distance signal transmission between a PC and USB devices, and it offers a simple plug-and-play setup with no drivers or installation required.

Key Features

- Support USB 2.0 protocol, transmission rate up to 480Mbps
- Transmission distance is up to 100m / 328ft via a single CAT5e/6 cable
- Support one USB-B port input in transmitter
- Support two USB 2.0 ports output in receiver
- Support POC function, it means that either transmitter or receiver is powered through 12V/1A power adapter, the other doesn't need power supply.
- Simple plug and play, no drive and installation setting required
- Compact design for easy and flexible installation

Specifications

Technical

Parameter	Specification
USB Protocol	USB 2.0
Transmission Rate	Up to 480Mbps
Transmission Distance	100M (328ft)
ESD Protection	Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

Connections Transmitter

Port Type	Details
Input port	1x USB [USB-B, female]
Output port	1x CAT [RJ45, female]

Receiver

Port Type	Details
Input	1x CAT [RJ45, female]
Output	2x USB [USB-A, female]

Mechanical

Parameter	Specification
Housing	Metal Enclosure
Color	Black
Dimensions	Transmitter / Receiver: 82mm [W] x 49mm [D] x 22mm [H]
Weight	Transmitter / Receiver: 100g
Power Supply	Input: AC 100 - 240V 50/60Hz Output: DC 12V/1A
Power Consumption	Transmitter: 1.3W, Receiver: 2.3W
Operation Temperature	0°C - 40°C / 32°F - 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20 - 90% RH (no condensation)