LENKENG®

USB3.2 5GBPS 100M 4-PORTS EXTENDER WITH RS-232, FRAME SYNC, POC

Model Code: LKV300USB

This USB 3.0 extender enables a one-to-one connection via CAT6/6A/7 network cables, supporting a transmission distance of up to 50m with CAT6 and up to 100m with CAT6A cables. It supports 4 USB 3.0 device inputs and is fully compatible with USB 2.0 and USB 1.1. Compatible devices include printers, cameras, scanners, USB flash drives, keyboards, mice, touchscreens, and more. This versatile extender is ideal for various applications, including security monitoring, gaming, industrial control, professional audio-visual setups, smart medical systems, and more.

Features

- The transmitter supports USB 3.0 Super-Speed and is compatible with USB 3.2 Gen1x1, USB 3.1 Gen1, and USB 2.0. The receiver supports USB 3.0 Super-Speed, USB 2.0 High-Speed, and is compatible with USB 1.1 Full-Speed.
- Supports four USB 3.0 inputs and one USB 3.0 output.
- Compatible with CAT6/6A/7 network cables. The transmission distance can reach up to 50m with CAT6 and up to 90m with CAT6A cables.
- Supports USB hub connections.
- Supports hot-plugging of USB devices and automatically identifies USB standards.
- Features PoC (Power over Cable), requiring power supply only to the receiver.
- Supports RS-232 and frame synchronization.
- Firmware can be upgraded via the Micro USB port.
- Includes lightning protection, surge protection, and ESD protection.
- Designed for stable 24/7 operation.

Specifications

	Transmitter	Receiver
USB	USB 3.0, compatible with USB 3.2 Gen1x1, USB 3.1 Gen1	USB 3.0, compatible with USB 2.0, USB 1.1
Transmission Distance	CAT6 ≤ 50m; CAT6A ≤ 90m	
USB Device	Support printer, camera, scanner, USB flash drive, keyboard, mouse, touch screen... etc	
USB Hot-Plug	Support	
USB Port	3 USB-A 3.0 input and 1 Type-C 3.0 input, 1 Type-C 3.0 output	

Physical Properties

	Transmitter	Receiver
Housing	Iron	
Dimensions	85.0(L) x 76.0(W) x 25.0(H) mm	
Weight	172g	182g
Colour	Black	

Power Specifications

	Transmitter	Receiver
Power Supply		DC 5V/1A
Power Consumption	≤ 8W	

Operating Enviroment

Working Tempreture	-20°C ~ 60°C
Storage Tempreture	-30°C ~ 70°C
Humidity	0 ~ 90% (No Condensation)
Protection	ESD protection 1a Contact discharge level 2 (±4KV) 1b Air discharge level 3 (±8KV) Implementation of the standard: IEC61000-4-2
	Lightning protection, Surge protection