

LTK-U3/100M USB 3.0 Extender

USB 3.0 Extender • Up to 100m / 328ft over CAT6 • Up to 5Gbps data transfer



Product Overview

The Linetek LTK-U3/100M USB 3.0 Extender is designed to extend USB 3.0 connectivity over CAT6 cable for distances up to 100m / 328ft. It supports data transfer rates up to 5Gbps and provides four USB-A ports on the receiver. The system is designed for plug-and-play operation without driver or additional software installation.

Key Features

- Extend USB 3.0 up to 100m / 328ft over CAT6 cable.
- USB 3.0 connectivity with data transfer rates up to 5Gbps.
- Backward compatible with USB 2.0 and USB 1.1.
- Four USB-A ports on the receiver.
- Ports 1 and 2 support 5V/1.5A; ports 3 and 4 support 5V/1A.
- Hardware acceleration for isochronous and bulk transfer.
- RS-232 pass-through and FSYNC GPIO pass-through support for industrial camera use.
- Supports bi-directional 24V PoC.
- Simple plug-and-play installation; no driver or setting installation required.

Technical Specifications

Brand	Linetek AV
Model	LTK-U3/100M
Product Type	USB 3.0 Extender
Maximum Extension Distance	Up to 100m / 328ft
Extension Cable	CAT6
USB Version	USB 3.0

Maximum Data Transfer Rate	Up to 5Gbps
USB Compatibility	USB 3.0 / USB 2.0 / USB 1.1
Receiver USB Ports	4 × USB-A
USB-A Ports 1 & 2	5V/1.5A
USB-A Ports 3 & 4	5V/1A
RS-232	Pass-through supported
FSYNC GPIO	Pass-through supported
PoC	Bi-directional 24V PoC
Installation	Plug and Play
Driver Installation	Not required

Typical Applications

Long-distance USB connectivity • USB cameras • Industrial camera applications • USB peripherals • Installations where USB devices need to be positioned away from the host computer.

Connection Overview

USB Host / PC → Transmitter (TX) → CAT6 Cable → Receiver (RX) → USB Devices

Reference Note: Specifications in this datasheet are based on the product information provided for the Linetek LTK-U3/100M. Please confirm final technical and installation requirements with the supplier before deployment.