



KDS-USB2-EN

USB 2.0 High-Speed Extension Encoder

| CAT



KDS-USB2-EN is a USB 2.0 high-speed encoder for extending USB signals between a host computer and any USB peripheral device such as a mouse, keyboard, display, camera, mobile device, media player, or hard drive. KDS-USB2-EN connects to a host computer enabling communication with the USB devices that are connected to a KDS-USB2-DEC decoder (sold separately).

KDS-USB2-EN can be paired with one KDS-USB2-DEC decoder for basic one-to-one USB extension, but with the purchase of additional units, you can diversify your USB extension system. For example, connect USB cameras in multiple locations to one computer or enable users in multiple locations to collaborate using the same host computer over a Local Area Network (LAN), in real time, using their own keyboards, mice and touch screens. Using Kramer's cloud-based control platform, you can map and/or control these multi-unit setups

FEATURES

High-Speed Extension - Extends USB 2.0 signals up to 100 m with CAT 5e/6/7 cables, and up to 10km with fiber optics cable. Achieves USB 2.0 throughput up to 480 Mbps point-to-point or over LAN.

Note: Use recommended Kramer cables for best performance

Extend Multiple Devices - Connect to all 4 decoder (sold separately) ports simultaneously with 5 Volts, 500 mA available on each port

Collaboration - Pair up to seven decoders (sold separately) to one encoder/host computer for extended, multi-location collaboration

SwitchableUSB™ - Construct one-to-many and many-to-many unit setups using Kramer's cloud-based control platform to manage the mapping and switch the connections

Reliable and Certified - Passes all key USB-IF compliance tests and FCC/CE Class B certified

True Plug and Play - No software drivers required

Compatibility - Works with all major operating systems including Windows®, macOS™ and Linux®



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TECHNICAL SPECIFICATIONS

Ports	1 USB: On a USB type B connector for host computer 1 CAT 5/6: On an RJ-45 connector
Extension Line	Direct Connect: Up to 100m (330 ft) over solid core Cat 5e/6/7 cable Network Connect: Up to 100m (330 ft) between switches over solid core CAT 5e/6/7 cable (One local to seven remote pairings supported for Simultaneous Users Interaction) Note: For best performance use recommended Kramer cables
General	Maximum Throughputs: USB 2.0 – Up to 480 Mbps*; USB 1.1 – Up to 12 Mbps Traffic Types: All USB 2.0 and 1.1 Traffic Types (Control, Interrupt, Isochronous and Bulk) Device Types: All USB 2.0 and 1.1 Device Types and Classes Maximum Number of Connected USB Devices: 30 Networking Standards: 1000BASE-T Networking Data Traffic: Layer 2 Networking Control Traffic: Layer 3
User Interface	Controls: Front panel pairing button Indicators: Power, link, host, activity LEDs
Power	Source Host computer Consumption: 780mA
Enclosure	Type: Black anodized aluminum Cooling: Convection ventilation
Accessories	Included: 1 USB2 type A male to type B male cable
Product Dimensions	9.50cm x 8.00cm x 2.54cm (3.74" x 3.15" x 1.00") W, D, H
Product Weight	0.2kg (0.4lbs) approx
Shipping Dimensions	15.50cm x 12.00cm x 8.80cm (6.10" x 4.72" x 3.46") W, D, H
Shipping Weight	0.4kg (0.8lbs) approx

