



KDS-USB2

USB 2.0 High-Speed Extension
Encoder/Decoder Kit

| CAT



KDS-USB2 is a USB 2.0 high-speed extension kit 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. The KDS-USB2 encoder connects to a host computer enabling communication with the USB devices that are connected to the KDS-USB2 decoder.

KDS-USB2 includes one encoder and one 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 ports simultaneously with 5 Volts, 500 mA available on each port

Collaboration - Pair up to seven decoders 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®



TECHNICAL SPECIFICATIONS

Ports	Encoder
	1 USB: On a USB type B connector for host computer
	1 CAT 5/6: On an RJ-45 connector
	Decoder
	4 USB: On USB type A connectors
	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	Encoder Source: Host computer
	Decoder Source: 24V DC adapter
	Consumption: 780mA
Enclosure	Type: Black anodized aluminum
	Cooling: Convection ventilation
Accessories	Included: 1 Power adapter, 1 USB2 type A male to type B male cable
Product Dimensions	18.75cm x 16.00cm x 2.54cm (7.38" x 6.30" x 1.00") W, D, H
Product Weight	0.4kg (0.8lbs) approx
Shipping Dimensions	35.10cm x 21.20cm x 7.20cm (13.82" x 8.35" x 2.83") W, D, H
Shipping Weight	1.2kg (2.6lbs) approx

