DisplayPort KVM Extender over Fiber Optic, 4K 60Hz, Console Extender Kit, Up to 984ft/300m (Multi-mode) with Pre-installed SFP+ Modules, 3x USB HID - TAA

Product ID: FD121-KVM-EXTENDER

The Fiber Optic KVM Extender allows for control of a KVM switch, console, or PC from a distance of up to 984ft (300m).

The transmitter/receiver kit extends 4K 60Hz DisplayPort video, supporting UHD resolutions up to 3840x2160 at 60Hz (4:4:4). It is DP 1.2 compliant and includes EDID pass-through for real-time display information, ensuring optimal signal quality and compatibility.

The KVM Console Extender does not require any drivers or software for installation. The point-to-point fiber connection eliminates the need for configuring or managing network settings. The extender is compatible with all operating systems, including Windows, macOS, and Linux. The SFP+ slots support both single and multi-mode MSA-compliant modules.

Three USB ports allow users to connect peripherals such as a mouse and keyboard, ideal for remote control of source devices, flexible workstation setups, and collaborative multimedia environments.

The extender has a sturdy steel chassis and uses fiber-optic extension to reduce electromagnetic interference (EMI), improving stability and ensuring long-term reliability. Its rugged design makes it suitable for installation in various environments.

Certifications, Reports and Compatibility

RoHS Compliant

TAA COMPLIANT

WEEE/GK0063TV

Applications

• Professionals who need to work with computers or servers in remote or isolated locations

• Manage digital signage setups where the computer running the content is remote from the display

• Educational institutions that need to centralize and manage computer systems while providing access to users in different classrooms or locations

Features

• FIBER OPTIC KVM EXTENDER: Control a KVM switch, console, or PC at a distance of up to 984ft (300m) away over multi-mode cabling using pre-installed SFP+ modules; Supports single-mode SFP+ modules (sold separately) to extend the range up to 1,640ft (500m)

• 4K 60HZ DISPLAYPORT VIDEO: Transmitter and receiver extension kit supports UHD resolutions up to 3840x2160 60Hz (4:4:4); EDID pass-through ensures optimal signal quality and compatibility by providing real-time display information; DP 1.2 compliant

• UNIVERSAL COMPATIBILITY: No drivers or software required and works with any operating system including Windows, macOS, and Linux; Point-to-point fiber connection means no network settings to configure or manage; SFP+ slots support MSA-compliant modules

• USB PERIPHERAL PORTS: USB HID ports allow users to connect a variety of peripherals, including mice, keyboards, or other input devices; Ideal for remote device control, flexible workstation setups, and collaborative multimedia environments

• DURABLE DESIGN: Durable steel housing and fiber extension method help prevent Electro-Magnetic Interference (EMI), enhancing the stability and reliability of the extender; Sturdy construction makes it ideal for installation in a variety of environments

Hardware

	Warranty	2 Years
	Audio	Yes
	KVM Ports	1
	PC Interface	USB
	PC Video Type	DisplayPort
	Number of Monitors Supported	1

Rack-Mountable	No
Cables Included	No

Performance

On-Screen Display	No
Video Revision	DisplayPort 1.2
IP Control	No
Hot-Key Selection	No
Maximum Cable Length	300m (Multi-Mode OM3 Fiber)
Supported Resolutions	4096 x 2160 @ 60hz
	3840 x 2160 @ 60hz
	3440 x 1440 @ 60hz
	3200 x 1800 @ 60hz
	3072 x 1728 @ 60hz
	2560 x 1440 @ 60hz
	2048 x 1536 @ 60hz
	1920 x 1200 @ 60hz
	3840 x 1080 @ 60hz
	1920 x 1080 @ 60hz
	1760 x 990 @ 60hz
	1680 x 1050 @ 60hz
	1600 x 1200 @ 60hz
	1600 x 900 @ 60hz
	1440 x 900 @ 60hz
	1366 x 768 @ 60hz
	1280 x 1024 @ 60hz
	1280 x 720 @ 60hz
	1128 x 634 @ 60hz
	1024 x 768 @ 60hz
	800 x 600 @ 60hz

		Other resolutions may be supported
	Wide Screen Supported	Yes
	Audio Specifications	DisplayPort - 2 Channel Audio
	Auto Scan	None
	Port Selection Support	Not Applicable
	MTBF	156,000 Hours

Connector(s)		
	Console Interface(s)	1 - SFP+ Slot
		3 - USB Type-A (4 pin; HID Port) USB 1.1
		1 - DisplayPort
		1 - USB Micro-B (5 pin) (Power)
	Host Connectors	1 - DisplayPort
		1 - USB Micro-B (5 pin)
		1 - USB Micro-B (5 pin) (Power)

Software		
	OS Compatibility	No Drivers or Software Required

Special Notes / Requirements		
	Note	SFP+ slots support MSA-compliant SFP+ modules
		Pre-installed multi-mode SFP+ modules are interchangeable with single-mode SFP+ modules for compatibility with single-mode fiber cabling

Indicators		
	LED Indicators	2 - Status
		2 - USB HID

Power		
	Power Source	AC Adapter Included

Input Voltage	100 - 240 AC	
Input Current	0.3A	
Output Voltage	5 DC	
Output Current	2A	
Power Consumption (In Watts)	10W	

Environmental

Operating Temperature	0C to 50C (32F to 122F)
Storage Temperature	-10C to 60C (14F to 140F)
Humidity	0% ~ 80% RH (non-condensing)

Physical Characteristics

Color	Black
Material	Metal
Product Length	4.5 in [11.4 cm]
Product Width	3.1 in [7.8 cm]
Product Height	1.1 in [2.8 cm]
Weight of Product	1.2 lb [0.5 kg]

Packaging Information

Package Length	6.9 in [17.5 cm]
Package Width	12.0 in [30.6 cm]
Package Height	2.8 in [7.0 cm]
Shipping (Package) Weight	2.3 lb [1.0 kg]

What's in the Box

Included in Package	1 - Transmitter (Local Unit)
	1 - Receiver (Remote Unit)
	2 - 10G SFP+ Modules (Pre-installed)

2 - Universal Power Adapter (NA/EU/UK/ANZ)

3 - USB-A to USB Mini-B Cables

1 - Quick-Start Guide

Product appearance and specifications are subject to change without notice.