

IP KVM Extender

4K30 Single Head HDMI IP KVM Extender over Fiber With Local Out, Audio, RS-232, USB 2.0, up to 20Km

Model: IPKX-A430-SH20KF

PRODUCT OVERVIEW

The **IPKX-A430-SH20KF, Single Head HDMI IP KVM Extender over Fiber**, allows users to locally connect HDMI monitor, USB keyboard, mice, and other devices, as well as speakers and microphones, to operate remote computer, server, or other IT device. Additionally, you can view the output video from the remote source device through the local loopback port of the Single Head HDMI KVM Extender.



KEY FEATURES

- Supports HDMI input/output video resolution up to 3840 x 2160 @ 30Hz and 1920 x 1200 @ 60Hz.
- Local HDMI loopback on the transmitter (TX) unit for monitoring.
- Extends video, USB, RS-232, and audio up to 20 km (65,600 feet) over single-mode fiber using single-mode Gigabit fiber SFP transceiver module or shorter distance using multimode fiber and multimode SFP transceiver module.
- Transparent USB extension supporting USB 2.0/1.1 with 4 ports for compatibility with various devices such as storage drives, touch screens, printers, keyboards, mice, etc. Maximum USB signalling rate is 12Mbps.
- Supports 2-way analog audio extension.
- Supports bidirectional Serial RS-232 extension at a fixed baud rate of 115,200bps.
- Supports EDID Pass-through from remote display at the Receiver end.
- Compliant with HDMI 1.4.

IP KVM Extender

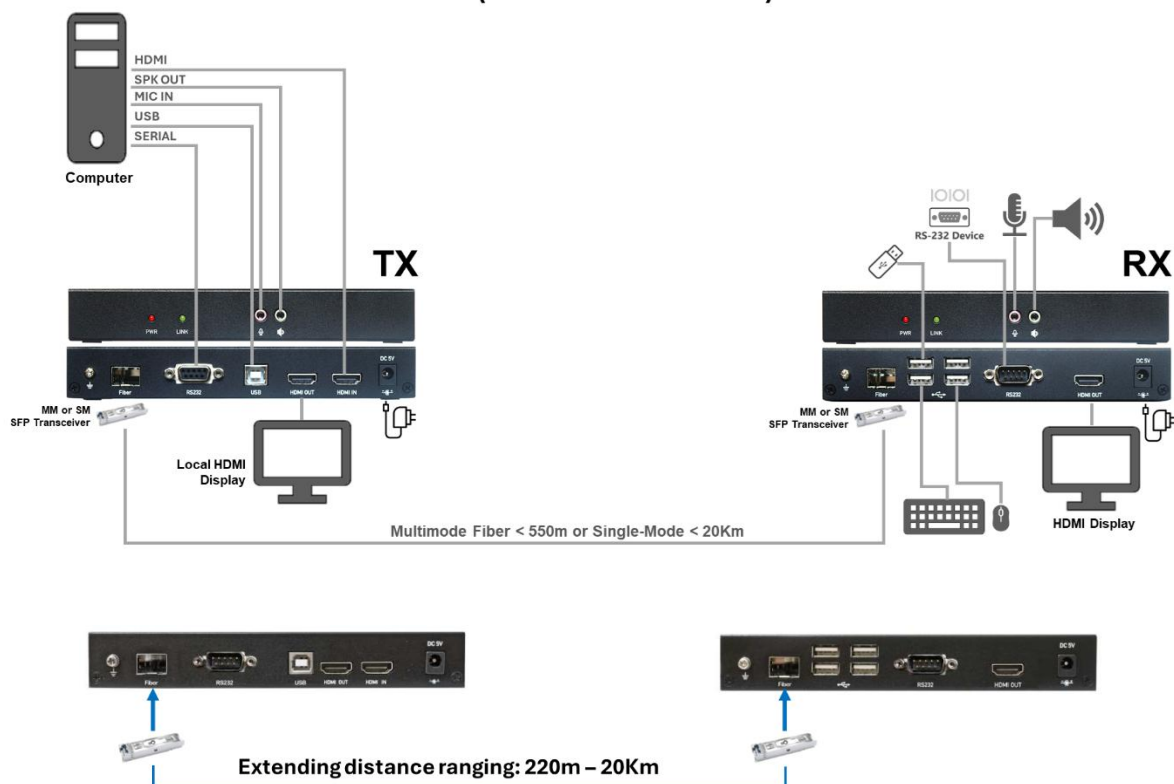
PRODUCT SPECIFICATIONS

IPKX-A430-SH20KF	Transmitter (TX)	Receiver (RX)
Video Input	HDMI Female x 1	-
Video Output	HDMI Female x 1	HDMI Female x 1
Max. Video Resolution	Up to 3840x2160@30Hz	
USB Extension	USB Type B Female x 1	USB Type A Female x 4
Audio Extension	Analog Audio 3.5mm Jack - Line IN x 1 - Line Out x 1	Analog Audio 3.5mm Jack - MIC IN x 1 - Speaker Out x 1
Serial Extension	D-SUB 9-Pin Female x 1 Fixed Baud Rate 115,200bps	D-SUB 9-Pin Male x 1 Fixed Baud Rate 115,200bps
LED Indicator	Power: Red LED Link: Green LED	
DDC Supported	DDC, DDC2, DDC2B	
Link Port	SFP (Optical Fiber) x 1	
Extension Range	Ranging from 220m to 20Km <u>Distance of SFP Module Models:</u> <ul style="list-style-type: none"> • 850nm Multimode, 50/125um fiber – 550m • 850nm Multimode, 62.5/125um fiber – 220m • 1310nm Single-Mode, 9/125um fiber – 10Km • 1310nm Single-Mode, 9/125um fiber – 20Km 	
OS Compatibility	OS Independent	
Power Supply	External DC 5V / 2A	
Dimension (L x W x H mm)	180 x 83 x 27	
Weight (g)	350	370
Housing Material	Chassis Metal	
Operating Environment	0 ~ 50°C (32 ~ 122°F)	
Storage Temperature	-20 ~ 60°C (-4 ~ 140°F)	
Humidity	0% - 80% RH	

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CONNECTION DIAGRAM

4K30 Single Head HDMI IP KVM Extender Over Fiber (IPKX-A430-SH20KF)



Compatible with standard 1.25 Gigabit Fiber SFP modules, either single-mode or multi-mode, depending on the required extension distance (SFP Transceivers are sold separately).

PANEL DIAGRAMS

Front and Rear Panels:



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PACKAGE CONTENTS

- 1 × IPKX-A430-SH20KF Transmitter Unit
- 1 × IPKX-A430-SH20KF Receiver Unit
- 2 × 5V/2A DC Power Adapter
- 1 × HDMI Cable
- 1 × 3.5mm MIC/SPK Combo Cable
- 1 × USB Type A-B Cable
- 1 × Quick Start Guide
- 1 × L-Plate Brackets Set

WARRANTY

- Standard 1-Year Limited Warranty, unless otherwise specified by Sales.
- Optional Advance Replacement Warranty is available upon request

ORDERING INFORMATION

Part Number	Descriptions
IPKX-A430-SH20KF	4K30 Single Head HDMI IP KVM Extender over Fiber with Local Out, Audio, RS-232, USB 2.0, up to 20Km
SFP OPTIONS (each TX-RX extension requires 2 SFP Transceivers)	
CNT-SFP-SX550	1.25Gbps SFP Optical Transceiver with Digital Diagnostic Monitoring, 1000Base-SX 850nm MM (LC), distance up to 550m with 50/125μm or 300m with 62.5/125μm MMF (Temperature: 0°C ~ 70°C)
CNT-SFP-MLX2K	1.25Gbps SFP Optical Transceiver with Digital Diagnostic Monitoring, 1000Base-SX+ 1310nm MM (LC), distance up to 2 Km with 50/125μm or 1 Km with 62.5/125μm MMF (Temperature: 0°C ~ 70°C)
CNT-SFP-LH20	1.25Gbps SFP Optical Transceiver with Digital Diagnostic Monitoring, 1000Base-LX 1310nm SM (LC), distance up to 20Km with 9/125μm SMF (Temperature: 0°C ~ 70°C)

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CONTACT INFORMATION

For more information, please visit our website or contact our customer service team:

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