

MAX. 10KM

# FXMS-M033



## 4K HDMI KVM Extender over Single-Mode Fiber with USB 2.0, Audio, IR, Serial, 10KM

### Specifications

Model Number	Computer Unit	Console Unit
FXMS-M033	FXMS-033P	FXMS-033S
MAX. Resolution	3840x2160@30Hz ( 4:4:4 )	
Video Extension	HDMI 1.4 x 1 ( In )	HDMI 1.4 x 1 ( Out )
USB 2.0 Extension	USB-B x 1	USB-A x 4
Speaker Extension	3.5mm SPK Jack x 1 ( In ) ( Audio Embed Function )	3.5mm SPK Jack x 1 ( Out ) ( Audio Extract Function )
Microphone Extension	3.5mm MIC Jack x 1 ( Out )	3.5mm MIC Jack x 1 ( In )
IR Extension	3.5mm IR Jack x 1 ( Out )	3.5mm IR Jack x 1 ( In )
Serial Extension	DB-9 x 1 ( RS232 DCE )	DB-9 x 1 ( RS232 DTE )
HDCP Compliance	HDCP 1.4	
Fiber Link Port	1.25Gbps Single-Mode SC Duplex x 1 ( Wavelength : 1310 nm )	
SC Fiber Cable	Duplex OS1 or OS2 ( 9/125 μm ) Duplex OM2 or OM3 or OM4 ( 50/125 μm )	
Extension Range	MAX. 10KM with OS1 or OS2 MAX. 1KM with OM3 or OM4 MAX. 250M with OM2	
LED Indicators	Status x 1	
Push Buttons	Reset x 1	Reset x 1, Function x 2
Power Supply	DC 12V~48V	DC 12V~48V
Operation Environment	0~40°C, Humidity<80%	
Storage Temperature	-20~60°C	
Material	Aluminum	
H x W x D ( mm )	27 x 121 x 140	27 x 121 x 140
Weight	350	350

### Features

- Allows Reliable Remote Access of a Computer via a Fiber Cable Up to 10KM ( 32,800 feet )
- Supports Both Single-Mode Fiber Cables and Multi-Mode Fiber Cables
- HDMI 1.4 Video Supports Most Popular Resolutions Up to 4K@30Hz ( 4:4:4 )
- HDCP 1.4 Compliance Ensures Uninterrupted Video Playback
- USB 2.0 Extension Transparently Supports Keyboard, Mouse, USB Storage, and Others
- Front and Rear USB Ports Allow Easy Access
- Smart Audio Extension Allows Embedded Audio and Audio Extraction
- IR Extension from Console Unit to Computer Unit Facilitates IR Control of AV Sources
- RS232 Serial Extension with Selectable Baud Rate Allows for Extensive Control Applications
- Immunity to High EMI Environment by Fiber System
- Plug-and-Play, No Driver or Software Required
- Support Windows / Mac / Linux / Chrome O.S.
- Interoperability among HDMI / DVI / DisplayPort Models ( Fiber Interface Must be The Same )
- Allows Wide Power Input Range DC 12~48V



### Overview

The 4K HDMI KVM Extender over Single-Mode Fiber with USB 2.0, Audio, IR, Serial, 10KM, FXMS-M033, enables 10KM remote access to a computer's 4K HDMI 1.4 video, USB 2.0, Audio, plus IR and Serial for more controls.

### Connection Pattern



### Product Family

Model	Video Interface	MAX. Resolution	Serial Extension	Fiber Transceiver Type	Extension Distance
FXDA-M033	DVI	1080P	No	Single-Mode*	10KM
FXDA-M043				Multi-Mode	1KM
FXMA-M033	HDMI 1.4	4K@30Hz		Single-Mode*	10KM
FXMA-M043				Multi-Mode	1KM
FXPA-M033	DisplayPort	4K@30Hz		Single-Mode*	10KM
FXPA-M043				Multi-Mode	1KM
FXDS-M033	DVI	1080P	Yes	Single-Mode*	10KM
FXDS-M043				Multi-Mode	1KM
FXMS-M033	HDMI 1.4	4K@30Hz		Single-Mode*	10KM
FXMS-M043				Multi-Mode	1KM
FXMS-M02K				SFP Module	0~70KM
FXPS-M033	DisplayPort	4K@30Hz		Single-Mode*	10KM
FXPS-M043			Multi-Mode	1KM	
FXPS-M02K			SFP Module	0~70KM	

\* Certain Models Available with Bulk Orders

\*\* Dual-Monitor Models Available by Request