

KVM Fiber Optic Extender

VGA with Stereo Audio, Rs232 & USB for KVM

1
VGA

System Design

KVM Fiber Optic Extenders

VOS-1VGA-ADUT/R provides 1-Channel uncompressed VGA video, resolutions up to WUXGA 1920x1200 and HDTV RGB Component Video resolutions up to 1080p, support 1 duplex stereo audio, 1 duplex Rs232 data and USB for KVM, also support one VGA loopback output for local display and dual VGA outputs for two displays in the remote end.



1
Audio

1
Rs232

Stand-alone or rack-mount. All VGA extenders over Fiber of VOS-1VGA-ADUT/R comes in an insert card version. The cards can be inserted into our 16-slot, 19inch 4U rack-mountable card cage (VOS-CH04).

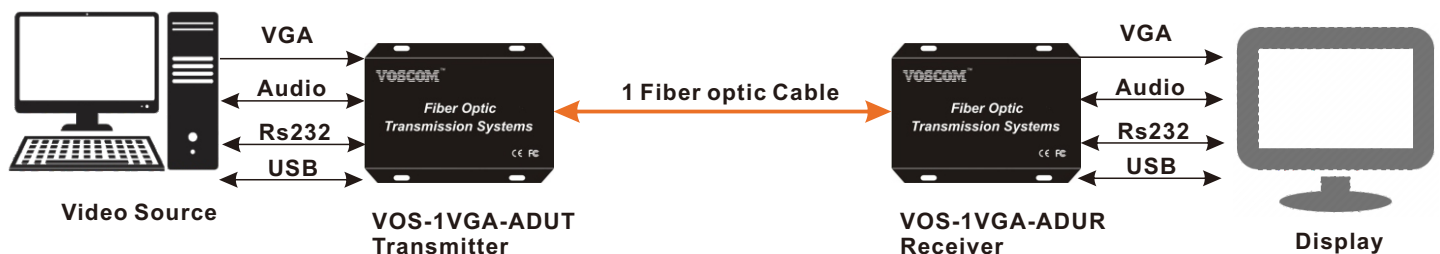
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USB

Single-Mode or Multi-Mode, VOS-1VGA-ADUT/R only can support LC optical connector, support Single-mode 10km or Multi-mode 300m over one single-fiber.

Features

- Support uncompressed VGA over fiber.
- Support VGA resolutions up to WUXGA 1920x1200
- Support HDTV resolutions of 480p, 720p and 1080p(RGBHV / RGB)
- Support one local loopout and two output for remote monitors.
- Support Bi-directional independent stereo audio with 3.5mm jack
- Support 1 Duplex Rs232 and USB for KVM control
- Support Sing-mode 10km or Multi-mode 300m
- LED Status Provide Rapid Indication of Operating Parameters
- Plug and play

Typical Configuration



VGA Fiber Optic Extender

Ordering Information

Part Number	Description
VOS-1VGA-ADUT/R	1-Channel uncompressed VGA + Stereo Audio + Rs232 + USB Tx & Rx 1920 x 1200 (WUXGA), 1080p@60Hz

Specification

• VGA	• Optical
Number of Channels: 1-Channel VGA Connector: VGA HD-15, female Max Resolution: 1920 x 1200 (WUXGA) 1080p@60Hz (Backward compatible)	Connector: LC (SFP) Fiber Type: Single-mode 10km, Multi-mode 300m Tx Output Power: >-3dB Receiver Sensitivity: >-10dB
• Audio	• Electrical & Mechanical
Number of Channels: 1-Ch Duplex Stereo Audio Connector: 3.5mm TRS Jack Audio input/output Level: +4dBu nominal Audio Type: Unbalanced, Line Level Audio in/output impedance: 600Ω Frequency Response: 20Hz ~ 20KHz Sample Rate: 48KHz, 24K bit rate Signal-to-Noise Ratio(SNR): 96dB Distortion: <0.05%	Input Power Requirements: DC12V1A Power Adapter: AC 100V~240V Power Connector: DC Power Connector Power Consumption: <3W Dimensions: 167mm x 114mm x 28mm Shipping Weight: 1.2kg
• Data	• Environmental
Number of Channels: 1-Ch Duplex Rs232 Data Connector: 3-pin Terminal Block Data Formats: Rs232 Data Data Rate: DC to 115.2Kbps Bit Error Rate: < 10E-9	Operating Temperature: -20°C ~ +70°C Storage Temperature: -40°C ~ +85°C Relative Humidity: 0%~95% (non-condensing) MTBF: >100,000 hours
• USB (KVM)	
USB Version: 1.1 USB Connector: Type B x1 (Transmitter) Type A x2 (Receiver)	