

VGA KVM USB, AUDIO, RS232 CAT5 Extender

ITEM NO.: VKM04 VGA & USB with Stereo Audio, RS232 CAT5 Extender



The VKM04 VGA, USB with Stereo Audio, RS232, and IR CAT5 extender design for extends all signals over one CAT5 up to 140 meters, with local VGA monitor output. It provides superior video quality up to 1920 x 1080 resolutions, and using cost effective Cat5e cable, instead of VGA, audio, RS232 cables, for an easy, neater and reliable installation. Using a standard Gigabit Ethernet LAN system and add a Gigabit switch could do multiple display. It is optimized for applications at digital signage, home network integration, and industrial control, hospital, education, security, and KVM extension.

Features:

- Extend VGA, stereo audio, RS232, IR and USB signals over one CAT5E/CAT6 cable.
- USB port support USB 2.0, USB 1.0 & USB 1.1
- Full Duplex data communication.
- Transmitter unit built in VGA loop output.
- Receiver unit with 4 ports USB devices, to extend USB 2.0 peripheral devices, such as flash disk, hard disk, keyboard, mouse, etc.
- Supports up to 1920 x 1080.
- **Transmission range up to 120 meters over CAT5e, 140M over CAT6.**
- Plug and play for easy operation.
- Perfect for control remote machines and security monitoring systems, digital signage application.
- **Optional model: SR01 signal repeater for longer distance application.**

Installation View:



Optional Model: SR01 Signal Repeater (order separately)

- Extend data signal for an additional 120meters.
- **Application for VKM03 signals for extra long range transmission.**
- **Ability to cascade connection with multiple SR01 for long range transmission**
- Built in LED status indication.
- External power required.
- Plug and play for easy installation.

Work with VKM04 CAT5 Extender:



LED Indication Status:

Power	On (power)
Link	Flash (under linking) On (linking)
RJ45	Green Flash (Data transmission) Orange On (linking)

Cable:

Link Cable use high quality Cat.5e UTP/STP/FTP or Cat.6 UTP cable

RJ45 Define:

Link Cable (TIA/EIA-568-B)

1. Orange-white	Data 1 +
2. Orange	Data 1 -
3. Green-white	Data 2 +
4. Blue	Data 3 +
5. Blue-white	Data 3 -
6. Green	Data 2 -
7. Brown-white	Data 4 +
8. Brown	Data 4 -

Package Include:

VKM04T Transmitter x 1
VKM04R Receiver x 1
3.5mm Audio cable 80cm x 1
VGA cable 90 cm x 1
DC 5V 2Amp power adapter x 2

Specification:

ITEM NO.	VKM04T	VKM04R
Support Resolution	Up to 1920 x 1080 @ 85 Hz	
Transmission Distance	CAT5e: 140M, CAT6: 180M (Max)	
Video Input Signals	RGB Analog (75Ω, 0.7Vp-p) Sync Signal H/V Separated (TTL)	
VGA Connector	DB15 Female x 2	DB15 Female x 1
USB Connector	USB B-Type x 1	USB A-Type x 4
RS232 Connector	DB9(Female) x 1	DB9(Male) x 1
Audio Connector	3.5 mm Phone Jack x1	
Link Connector	RJ45 x 1	
Power Supply	DC 5V 2 Amp	
Power Consumption	1.1Amp	
Temperature	Operation: 0 to 55°C, Storage: -20 TO 85°C, Humidity: up to 95%	
Dimensions mm		
Weight g	335	330

RoHS CE FC

Rev. D