

VGA-Audio Extender via CAT5

VGA Extender CAT5 Monitor Extender,
Remote Monitor Extend Video Audio

PRODUCTS CATALOG



1-04Port VGA-Audio CAT5 Transmitter/Sender



Single VGA Audio CAT5 Mini Receiver/Remoter



1-2Port VGA Audio CAT5 Mini Splitting Remoter



Welcome! This category contains detailed information for 1-4Port VGA Transmitter/Sender and Single & 1-2Port Mini Receiver/Remoter products.

Features & Applications

The VGA-Audio CAT5 UTP Extender transmits VGA-Audio up to 600/1200 feet away from a computer using CAT5/5e/6 cable. The video extender consists of a local unit that connects to a computer and also supplies VGA video and stereo audio to a local monitor and speaker, and a remote unit that connects to a monitor and speaker. The 1-4Port VGA-Audio transmitter/Sender has external adaptor power power supply; the product is in metal case.

- Sharpest and clearest VGA quality over CAT5 of any manufacturer.
- Hi performance Audio quality over CAT5 of any manufacturer
- Supports local and remote VGA monitors and Speaker.
- Real Time Transmission Video & Audio signals by single CAT5 cable
- No TCP/IP protocol and networking setting and maintenance

- No Ant firewall needed, no IP and networking occupation
- Plug and Play, compatible with all format VGA video signals.
- Built-in ESD and lightning surge protection.
- Available with VGA contact and brightness adjustment
- Power-red LED
- Use in-house CAT5/5e/6 phone wiring to locate a monitor remotely.
- Metal case (Transmitter, Receiver)

1-4Port VGA Audio CAT5 Sender- Local Unit

Host Connection

- Supports a PC, SUN, MAC or PC Switch.
- Female 15-pin HD connector for computer connection.
- Stereo audio support - 3.5mm stereo plug.

Local Access

- Crisp and clear 640X480 to 1920x1440 video resolutions.
- Female 15-pin HD and 3.5mm stereo connectors for local VGA monitor and speaker. Stereo audio input - 3.5mm stereo jack.

Power

- +12V DC/500mA via AC/DC adapter Power consumption: 3W

MTBF: 89,708 hrs

Cables: CAT5, CAT5e or CAT6 UTP straight through cable for TIA/EIA-568B wiring terminated with standard RJ45 connectors (not included).

Dimensions:

- WxDxH (mm): 155x84x33 Weight: 1200g

Environmental

- Operating temperature: 32°F to 100°F (0°C to 38°C).
- Storage temperature: -20°F to 140°F (-30°C to 60°C).
- Operating and Storage Relative Humidity: 17 - 90% non-condensing RH.

Regulatory Approvals

- CE / FCC RoHS

Single & 1-2Port VGA Audio CAT5 Mini Remoter - Remote Unit

- Supports resolutions from 640X480 up to 1920x1440; refer to the resolution charts below for resolutions at different lengths.
- One & two female 15-pin HD connector's connectors.
- One & two 3.5mm connectors for stereo audio output connection.
- 1-2port splitting outputs for VGA and audio (splitting model)

Video Quality and Audio Hum Isolation

- Single Mini Receiver: video quality brightness, contrast adjustment for different lengths of CAT5/5e/6 cable is done manually for video-audio receiver.

Power

- +12V via AC/DC adapter (Included). Power consumption: 2W

MTBF 81,625 hrs (Single output model) 81,347 hrs (1-2port output model)

Dimensions:

- WxDxH (mm): 95x97x28 (single model) 100x97x28mm (1-2port model)
- Weight: 600g (single model) 630g (1-2port model)

Environmental

- Operating temperature: 32°F to 100°F (0°C to 38°C).
- Storage temperature: -20°F to 140°F (-30°C to 60°C).
- Operating and Storage Relative Humidity: 17 - 90% non-condensing RH.

Regulatory Approvals

- CE /FCC RoHS

AUDIO SPECIFICATION

- Stereo audio can be heard both locally and remotely.
- Frequency response: 20 Hz to 20 kHz, +/-1 dB.
- Signal-to-Noise Ratio (SNR): 76 dBA.
- Total Harmonic Distortion and Noise (THD+N): 0.017%.
- Line level 640ohm output; supports multimedia speakers.
- Maximum I/O levels: 3.1Vp-p (line level).

Mini Receiver/Remoter 600ft Model		
Distances and Resolutions for CAT5/CAT5e and CAT6 cables		
Cable	Distance (feet)	Resolution
CAT5/ CAT5e (UTP)	600	1024x768 at 60Hz
	400	1280x1024 at 60Hz
	300	1600x1200 at 60Hz
	100	1920x1440 at 60Hz
CAT5/ CAT5e(STP), CAT6(UTP)	300	1024x768 at 60Hz
	200	1280x1024 at 60Hz
	100	1920x1440 at 60Hz

Mini Receiver/Remoter 1200ft Model		
Distances and Resolutions for CAT5/CAT5e and CAT6 cables		

Cable	Distance (feet)	Resolution
CAT5/ CAT5e (UTP)	1200	1024x768 at 60Hz
	800	1280x1024 at 60Hz
	600	1600x1200 at 60Hz
	200	1920x1440 at 60Hz
CAT5/ CAT5e(STP), CAT6(UTP)	600	1024x768 at 60Hz
	400	1280x1024 at 60Hz
	200	1920x1440 at 60Hz

Note: CAT6 cable has a higher skew than CAT5/5e cable, which causes colors to smear. Since these extenders do not have internal skew compensation, they work at shorter distances with CAT6 cable.

Electronics Specification

- Video Input/Output :HDB-15 Female
- Video Input/Output Signal: 0.5Vp-p - 1Vp-p Single End (75ohm load)
- Video Transmission Distance: 100-600ft and 100-1200ft
- Audio Input/Output: 3.5mm Stereo Female Socket
- Audio Input/Output: 1Vp-p - 2Vp-p Single End (300/640 ohm load)
- Video CMRR: -55dB @1MHz

1-4Port Mini VGA Extender System Installation Configuration Diagram

