

Long Range VGA & Speaker 1 in 2 out Transmitter

Model: VGAE1T

The VGAE1T is an active VGA video & audio transmitter that provides one set of VGA video & audio signal transmission via Unshielded Twisted Pair (UTP) cable. VGAE1T provides one channel of VGA and audio via RJ45 output and one set of local VGA video & audio outputs. When working with VGAE1R, VGAE1T can extend VGA video & audio transmissions up to 1000ft / 300m with a standard resolution of 1024x768 and up to 1600x1200 @ 60Hz for 500ft / 150m.

Features:

- Transmission Distance up to 1000ft / 300m when used with VGAE1R
- VGA video & audio signal transmission via UTP cable (CAT5 / CAT5e)
- 350 MHz signal transmission bandwidth
- Provides one RJ45 output and one pair of local VGA video & audio outputs
- Quality stereo audio
- High video resolution depends on the length and quality of UTP cable with standard resolution 1024x768 and up to 1600x1200 @ 60Hz
- Exceptional interference rejection
- Built-in transient protection
- Multi-platform support; supports PC, Mac, Sun, and Linux systems
- OS Support: Windows 2000 / XP / Linux / Mac / Sun
- 12V DC or USB Power (12V DC power supply included)

Components are Made In USA for this product:

Name of Component	Manufacturer
Video Signal Disposal IC	Intersil
Audio Signal Disposal IC	
DCDC Power IC	National Semiconductor
LDO Power IC	ST Microelectronics

**R&D Designed in Taiwan
Assembled in China**

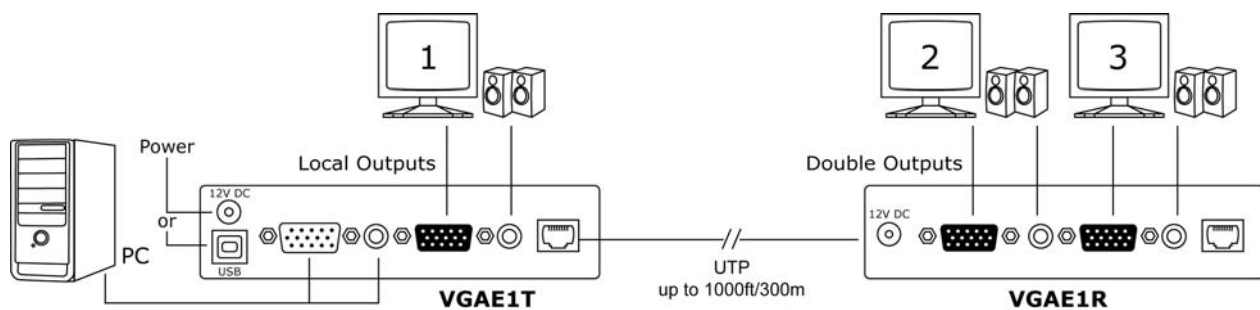


Front



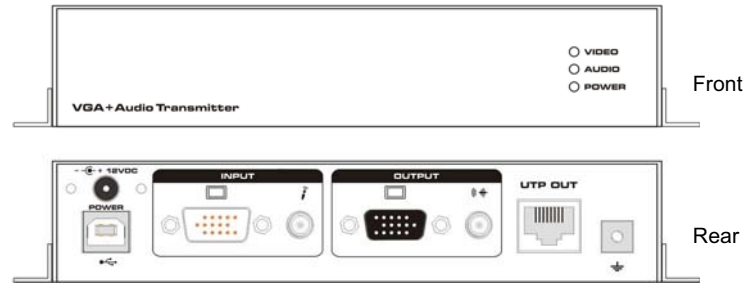
Rear

Application Diagram:



VGAE1T	Max. Distance via UTP Cable	Hz
800x600 pixels	1148ft / 350m	60Hz
1024x768 pixels	1000ft / 300m	60Hz
1280x1024 pixels	650ft / 200m	60Hz
1600x1200 pixels	500ft / 150m	60Hz

Panel View:



Specification:

Model		VGAE1T
Power Properties	Voltage	12V DC
	Power Consumption	1W
	Connectors	DC Jack or USB-B
	USB Protecting Current	500mA Max
Video Properties	Video Input Connectors	15-pin HDB Male (Black) Resistance: 75 Ohms
	Video Output Connectors	15-pin HDB Female (Black) Resistance: 75 Ohms
	Signal Transmission Output Connectors	RJ45
		Resistance: 50 Ohms
	Signal Transmission Band	<350 MHz (-3dB)
	Linear Distortion	< 3%
	Synchronous Signal	0V ~ 5V, TTL PWL
	Synchronous Signal Band	1K ~ 200KHz
DDC2	Support DDC2	
Audio Properties	Connectors	3.5mm Audio Jack
	Input Resistance	10K Ohms
	Output Resistance	600 Ohms
	Transmission Band	10 ~ 20KHz
Indicators	Video / Audio / Power LED	Green / Yellow / Red
Stability	MTBF	> 20,000h
Physical Properties	Dimensions (LxWxH)	6.30" x 3.35" x 1.26" 160mm x 85mm x 32mm
	Housing Material & Color	Metal, Black
Weight	Net Weight	0.97 lbs / 440g
Environment	Operating Temperature	32°F ~ 122°F / 0°C ~ 50°C
	Relative Humidity (non-condensing)	10 ~ 85%
	Storage Temperature	14°F ~ 176°F / -10°C ~ 80°C
Accessories	Power Adaptor	Outputs 12V DC, 1Amp Inputs 90V ~ 250V AC
	AUDIO & USB Cables	USB-A to USB-B Connector, Support USB 2.0; 1.5m Length 3.5mm Audio Cable
	Others	2x Mounting Bracket, 4x screws

*Specifications are subject to change without notice.

FCC CE RoHS

R&D Designed in Taiwan

Components are Made in USA: Video Signal Disposal IC & Audio Signal Disposal IC (Intersil), DCDC Power IC (National Semiconductor), LDO Power IC (ST Microelectronics)

Assembled in China



Caution:

- All devices must be properly grounded.
- Do not handle the unit with wet hands.
- The unit is not waterproof and should not be used outdoors.

Cabling Systems & Solutions

Rev032609

UTP = Unshielded Twisted Pair

B-24