

# Long Range VGA & Speaker 1 in 4 out Transmitter

## Model: VGAE4T

The VGAE4T is an active VGA video and audio transmitter similar to VGAE1T except it allows four channels of VGA video and audio signal transmission to four different remote destinations via Unshielded Twisted Pair (UTP) cable. VGAE4T provides four channels of video and audio via RJ45 outputs and one set of local VGA video and audio outputs. When working with VGAE1R, VGAE4T can extend VGA video and 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 four ports RJ45 outputs for transmission 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<br>Audio Signal Disposal IC | Intersil               |
| DCDC Power IC  | National Semiconductor |
| LDO Power IC   | ST Microelectronics    |

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

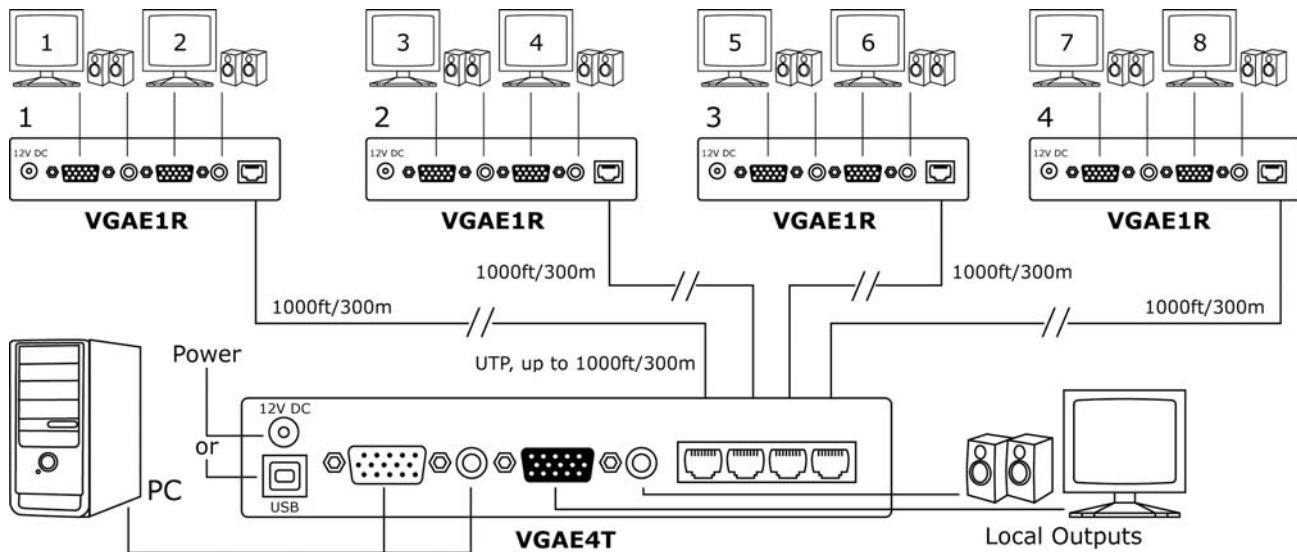


Front



Rear

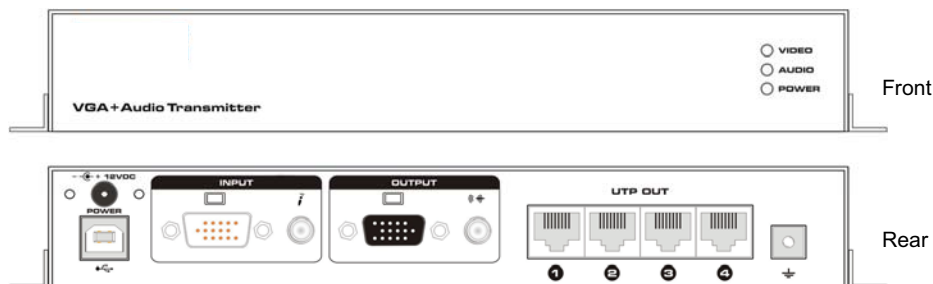
### Application Diagram: Maximum Configuration up to 8 Monitors & Speakers



| VGAE4T           | 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 |

**UTP = Unshielded Twisted Pair**

## Panel View:



## Specification:

| Model               |                                      | VGAE4T   |
|---------------------|--------------------------------------|--|
| Power Properties    | Voltage                              | 12V DC   |
|                     | Power Consumption                    | 1.5W   |
|                     | Connectors                           | DC Jack or USB-B   |
|                     | USB Protecting Current               | 500mA  |
| Video Properties    | Video Input Connectors               | 15-pin HDB Male (Black)<br>Resistance: 75 Ohms                                       |
|                     | Video Output Connectors              | 15-pin HDB Female (Black)<br>Resistance: 75 Ohms                                     |
|                     | Signal Transmission Output Connector | 4x RJ45<br>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   |
|                     | Band                                 | 10 ~ 20KHz   |
| Indicators          | Video / Audio / Power LED            | Green / Yellow / Red   |
| Stability           | MTBF                                 | > 20,000h  |
| Physical Properties | Dimensions (LxWxH)                   | 7.68" x 3.35" x 1.26"<br>195mm x 85mm x 32mm   |
|                     | Housing Material & Color             | Metal, Black   |
| Weight              | Net Weight                           | 1.12 lbs / 510g  |
| Environment         | Operating Temperature                | 32°F ~ 122°F / 0°C ~ 50°C  |
|                     | Relative Humidity                    | 10 ~ 85%   |
|                     | Storage Temperature                  | 14°F ~ 176°F / -10°C ~ 80°C  |
| Accessories         | Power Adaptor                        | Outputs 12V DC, 1Amp<br>Inputs 90V ~ 250V AC   |
|                     | VGA & AUDIO & USB Cables             | USB-A to USB-B Connector, Support USB 2.0; 1.5m Length<br>VGA Cable, and 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.

**UTP = Unshielded Twisted Pair**