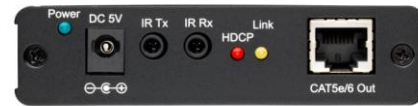


## 1T-CT-651/1T-CT-652 HDMI over Single Cat.5e/Cat.6

form a product group which employs HDMI v1.4a capability and the HDBaseT 3Play™ technology to allow transmission of uncompressed, 1080p high definition television signals over a single Cat.5e or Cat.6 cable. (This is the type cable typically employed for Ethernet computer networks.) HDMI v1.4a signals - including 3D and 4K x 2K formats - are supported and the system will also allow DVI signal transmission with appropriate DVI to HDMI Cable adapters. In addition, computer resolutions to WUXGA are supported and embedded 7.1CH LPCM, Dolby TrueHD and DTS-HD Master Audio capability is standard. The 1T-CT-651/1T-CT-652 system can achieve signal distribution distances of up to 100 meters (325 feet) for uncompressed 1080p signals without signal degradation.

Bi-Directional Infrared control is provided via sensors that can be remotely placed several feet from the units themselves. Bi-directional RS-232 signals are also supported. HDCP security is enabled at the version 1.1 level and both the Transmitter and Receiver units feature the unique TV One-task locking power connectors to enhance overall system mechanical security.



## Specifications

### Video I/O

|                          |                       |
|--------------------------|-----------------------|
| 1T-CT-651 Tx-HDMI Input  | 1x via HDMI Connector |
| 1T-CT-652 Rx-HDMI Output | 1x via HDMI Connector |

### Cat.5e/Cat.6 Cable I/O

|                             |                       |
|-----------------------------|-----------------------|
| 1T-CT-651 Tx – Cat.5e/Cat.6 | 1x via RJ45 Connector |
| 1T-CT-652 Rx – Cat.5e/Cat.6 | 1x via RJ45 Connector |

### Additional I/O

|            |   |
|------------|---|
| Connectors | 2x 3.5mm mini-jack (Infrared)<br>1x DB-9 (RS-232) |
|------------|---|

### Signals & Protocols

|                    |   |
|--------------------|---|
| Industry Standards | HDMI v1.4a (3D, 4K x 2K), HDCP, DVI 1.0, Infrared, RS-232 |
|--------------------|---|

### Video Performance

|                    |                                     |
|--------------------|-------------------------------------|
| Maximum Resolution | 1080p@60Hz/48bit or<br>4K x 2K@24Hz |
|--------------------|-------------------------------------|

### Audio Support

|                   |   |
|-------------------|---|
| Formats Supported | 7.1CH, Dolby TrueHD,<br>DTS-HD Master Audio |
|-------------------|---|

### HDBaseT Support

|                   |   |
|-------------------|---|
| Maximum Bandwidth | Uncompressed Video/Audio to<br>10.2Gbps |
|-------------------|---|

### Maximum Range

|                            |                |
|----------------------------|----------------|
| 1T-CT-651/652 Tx/Rx System | 100m (325 ft.) |
|----------------------------|----------------|

### Environmental

|                       |                                 |
|-----------------------|---------------------------------|
| Operating Temperature | 0° to +40° C (+32° to +104° F)  |
| Operating Humidity    | 20% to 90%, Non-condensing      |
| Storage Temperature   | -20° to +60° C (-4° to +140° F) |
| Storage Humidity      | 20% to 90%, Non-condensing      |

## Key Features of the 1T-CT- 651/1T-CT-652

- Resolutions to WUXGA @ 48bits or 4K x 2K
- Uncompressed transmission to 100 meters (325ft)
- Uses HDBaseT performance enhancing technology
- Supports Embedded HDMI Lossless Digital Audio
- Compliant with HDMI v1.4a, HDCP 1.1 and DVI 1.0
- Uses a single Cat.5e/Cat.6 Ethernet cable
- Output resolution follows input
- Bi-directional infrared remote control
- Bi-directional RS-232 signal support
- Locking +5VDC Connectors

## Warranty

|                  |                         |
|------------------|-------------------------|
| Limited Warranty | 3 Years Parts and Labor |
|------------------|-------------------------|

## Regulatory Approvals

|                      |                            |
|----------------------|----------------------------|
| Encoder/Decoder Unit | FCC, CE, RoHS              |
| Power Supply         | UL, CUL, CE, PSE, GS, RoHS |

## Cable Requirements (T/R)

|                              |   |
|------------------------------|---|
| Ethernet Cable, Twisted Pair | Highest Quality Single Cat.5e or<br>Cat.6 Cable |
|------------------------------|---|

## Mechanical (H-W-D)

|                          |                               |
|--------------------------|-------------------------------|
| 1T-CT-651- 1T-CT-652 HWD | 25x102x107mm (0.98x4.0x4.21") |
|--------------------------|-------------------------------|

## Weight

|                       |                  |
|-----------------------|------------------|
| 1T-CT-651 Transmitter | 240g (0.53 lbs.) |
| 1T-CT-652 Receiver    | 245g (0.54 lbs.) |

## Power Requirement

|                       |                          |
|-----------------------|--------------------------|
| External Power Supply | 1x 5VDC@2.6A (Each Unit) |
|-----------------------|--------------------------|

## Accessories Included

|                               |                |
|-------------------------------|----------------|
| 1x Power Adapter              | US, UK or Euro |
| 1x User Manual                |                |
| 1x IR Transmitter or Receiver |                |

## Model Numbers

|           |  |
|-----------|--|
| 1T-CT-651 | HDMI Over Single Cat.5e/Cat.6<br>Transmitter |
| 1T-CT-652 | HDMI Over Single Cat.5e/Cat.6<br>Receiver    |

## Panel Drawings

