

HDMI Over Single Cat.5e/Cat.6

Models 1T-CT-651/1T-CT-652

TWONETASK

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 HDMI Cable adapters. In addition, computer resolutions to WUXGA are supported and embedded 7.1CH LPCM, Dolby TrueHD and DTS-HD Master Audio standard. The 1T-CT-651/1T-CT-652 capability 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 1T-CT-652 Rx-HDMI Output Cat.5e/Cat.6 Cable I/O

1T-CT-651 Tx - Cat.5e/Cat.6 1T-CT-682 Rx - Cat.5e/Cat.6

Additional I/O

Connectors

Signals & Protocols

Industry Standards

Video Performance Maximum Resolution

Audio Support

Formats Supported

HDBaseT Support

Maximum Bandwidth

Maximum Range

1T-CT-651/652 Tx/Rx System

Environmental

Operating Temperature Operating Humidity Storage Temperature Storage Humidity

1x via HDMI Connector 1x via HDMI Connector

1x via RJ45 Connector 1x via RJ45 Connector

2x 3.5mm mini-jack (Infrared) 1x DB-9 (RS-232)

HDMI v1.4a (3D, 4K x 2K), HDCP,

DVI 1.0, Infrared, RS-232

1080p@60Hz/48bit or 4K x 2K@24Hz

7.1CH, Dolby TrueHD, DTS-HD Master Audio

Uncompressed Video/Audio to

10.2Gbps

100m (325 ft.)

0° to +40° C (+32° to +104° F) 20% to 90%, Non-condensing -20° to +60° C (-4° to +140° F) 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 Regulatory Approvals

Encoder/Decoder Unit Pow er Supply

Cable Requirements (T/R)

Ethernet Cable, Twisted Pair

Mechanical (H-W-D)

1T-CT-651- 1T-CT-652 HWD Weight

1T-CT-651 Transmitter 1T-CT-652 Receiver Power Requirement

External Pow er Supply Accessories Included

1x Power Adapter 1x User Manual

1x IR Transmitter or Receiver Model Numbers

1T-CT-651

1T-CT-652

3 Years Parts and Labor

FCC, CE, RoHS

UL, CUL, CE, PSE, GS, RoHS

Highest Quality Single Cat.5e or Cat.6 Cable

25x102x107mm (0.98x4.0x4.21")

240g (0.53 lbs.) 245g (0.54 lbs.)

1x 5VDC@2.6A (Each Unit)

US, UK or Euro

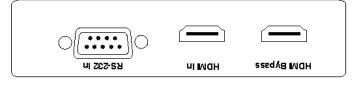
HDMI Over Single Cat.5e/Cat.6 Transmitter HDMI Over Single Cat.5e/Cat.6

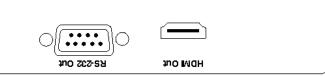
Receiver



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Panel Drawings







1T-CT-651

HDMI over CAT5e/6 TRANSMITTER



