

1T-CT-653/1T-CT-654 HDMI over Single Cat.5e/Cat.6

form a product group that consists of a 1T-CT-653
Transmitter coupled with a 1T-CT-654 Receiver which employs HDMI v1.4 capability and the HDBaseT
5Play™ technology to allow transmission of uncompressed, 1080p high definition television signals over a single Cat.5e or Cat.6 cable (this is the type of cable typically employed for Ethernet computer networks). HDMI v1.4 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, embedded 7.1CH LPCM, Dolby TrueHD and DTS-HD Master Audio capability is standard.

The 1T-CT-653/1T-CT-654 system can achieve signal distribution distances of up to 100 meters (325 feet) for uncompressed 1080p signals without signal degradation.

Control signals can be passed via Ethernet, Infrared or RS-232. POH (Power Over HDBaseT) technology is employed to allow powering of the Receiver from the Transmitter, negating the need for a separate power supply for that unit.









Key Features of the 1T-CT-653/1T-CT-654

- 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
- · Bi-directional infrared remote support

Warranty

1T-CT-654

- Bi-directional RS -232 and Ethernet support
- POH (Power Over HDBaseT) capability for Receiver

Specifications

Video I/O 1T-CT-653 Tx-HDMI Input 1x via HDMI Connector 1T-CT-654 Rx-HDMI Output 1x via HDMI Connector Cat.5e/Cat.6 Cable I/O 1T-CT-653 Tx - Cat.5e/Cat.6 1x via RJ45 Connector 1T-CT-654 Rx - Cat.5e/Cat.6 1x via RJ45 Connector Additional I /O 1x LAN RJ45, 1x DB9 RS -232, Connectors (each unit) 2x 3.5mm mini -jack (Infrared) Signals & Protocols HDMI v1.4a, 3D, 4Kx2K, HDCP, **Industry Standards** DVI 1.0, IR, RS -232, Ethernet Video Performance 1080p@60Hz/48bit or **Maximum Resolution** 4Kx2K @24 Hz **Audio Support** Formats Supported 7.1CH, Dolby TrueHD, DTS **HDBaseT Support** Uncompressed Video/Audio to Maximum Bandwidth 10.2Gbps Maximum Range 1T-CT -653/654 Tx/Rx System 100m (325 ft.) Environmental **Operating Temperature** 0° to +40° C (+32 ° to +104° F) **Operating Humidity** 20% to 90%, Non -condensing

Limited Warranty 3 Years Parts and Labor **Regulatory Approvals** Encoder/Decoder Unit FCC, CE, RoHS UL, CUL, CE, PSE, GS, RoHS Power Supply Cable Requirements (T/R) Highest Quality Single Cat.5e or Cat.6 Ethernet Cable, Twisted Pair Cable Mechanical (H -W-D) 1T-CT-653 Transmitter 25x102x113mm (0.98x4.0x4.45") 1T-CT-654 Receiver 25x102x107mm (0.98x4.0x4.21") Weight 1T-CT-653 Transmitter 252g (0.5 5 lbs.) 1T-CT-654 Receiver 256g (0.56 lbs.) Power Requirement **External Power Supply** 1x 24VDC@ 1.25A Accessories Included US, UK or Euro 1x Power Adapter 1x User Manual 1x IR Transmitter or Receiver **Model Numbers** HDMI Over Cat.5e/Cat.6 Transmitter 1T-CT-653

HDMI Over Cat.5e/Cat .6 Receiver

Vertrieb / Distributior:

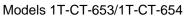


Storage Temperature

Storage Humidity

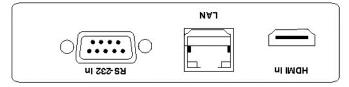
 -20° to $+60^{\circ}$ C (-4° to $+140^{\circ}$ F)

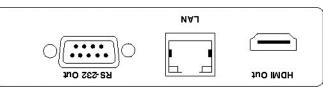
20% to 90%, Non -condensing





Panel Drawings







1T-CT-653

HDMI over CAT5e/6 TRANSMITTER With LAN/IR/RS-232

