1T-CT-647 HDMI over Single CAT.5e/CAT.6

Key Features

- HDMI w/3D, 4k(24hz/30Hz), HDCP 1.1 & DVI 1.0
- Uncompressed HDMI signal distribution to 60m/197ft
- Class B (HDBaseT-Lite)
 technology
- Supports Embedded HDMI Lossless Digital Audio
- Full HD resolution support (1080p@60Hz/36bit)
- UHD support (4k@30Hz)
- HD 3D formats & PC
 resolutions up to WUXGA
- Supports CEC bypass
- Single Cat.5e/Cat.6 Ethernet cable via RJ45
- Bi-directional infrared remote control extensions
- Supports DVI when using Optional HDMI to DVI Adaptors

Specifications

1T-CT-647

Overview

1T-CT-647 over Single Cat.5e/Cat.6 system consists of a sever-port for use with 1T-CT-642 Receivers (each purchased separately) which employs HDMI v1.4 capability and the HDBaseT-Lite 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 v1.4 signals - including 3D and 4k UHD formats - are supported and the system will also allow DVI signal transmission with appropriate DVI to HDMI Cable adapters. In addition, embedded LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio capability is standard. The 1T-CT-647 can achieve signal distribution distances of up to 60 meters (197 feet) for uncompressed HDMI signals without signal degradation. A screw on power adapter cable prevents inadvertent disconnection of power.

Video I/O		Environmental	
1T-CT-647 -HDMI Input	1x via HDMI Connector	Operating Temperature	0° to +40° C (+32° to +104° F)
HDMI Output	1x via HDMI Connector	Operating Humidity	20% to 90%, Non-condensing
		Storage Temperature	-20° to +60° C (-4° to +140° F)
Cat.5e/Cat.6 Cable I/O		Storage Humidity	20% to 90%, Non-condensing
1T-CT-647 Cat.5e/Cat.6 Output	7x via RJ45 Connector	Warranty	
		Limited Warranty	3 Years Parts and Labor
Additional I/O		Regulatory Approvals	
Connectors (per unit)	2x 3.5mm mini-jack (Infrared)	Encoder/Decoder Unit	FCC, CE, RoHS
		Power Supply	UL, CUL, CE, PSE, GS, RoHS
Supported Signals & Protocols		Cable Requirements (T/R)	
Industry Standards	HDMI v1.4 (3D, 4k), HDCP, DVI 1.0,	Ethernet Cable	Highest Quality Single Cat.5e or
	Infrared		Cat.6 cable (UTP or STP)
Video Performance		Mechanical (H-W-D)	
Maximum Resolution	HD up to 1080p@60Hz/36bit,	1T-CT-647 TX 44x482x179mm (1.75x19.0x7.0") w/Rack ears	
	UHD to 4k@30Hz, PC to WUXGA	Weight	
Audio Support		1T-CT-647 Transmitter	2122g (4.66 lbs.)
Formats Supported	LPCM 7.1CH, Dolby TrueHD, Dolby	1T-CT-642 Receiver	64g (0.14 lbs.)
	Digital Plus & DTS-HD Master	Power Requirement	
HDBaseT-Lite Class B Support		External Power Supply	24VDC@2.7A Locking Connector
Maximum Bandwidth	Uncompressed Video/Audio to	Accessories Included	
	10.2Gbps/300MHz	1x Power Adapter	US, UK or Euro
Maximum Danga		1x User Manual	
Maximum Range 1 x 1T-CT-641/642 Tx/Rx System 60m (197 ft.) at 1080p@60Hz		1x IR Transmitter or Receiver Extender	
1 x 11-C1-641/642 1X/RX System	60m (197 ft.) at 1080p@60Hz 40m (131 ft.) at 4k@30Hz	Model Numbers	
	40111 (13111.) at 4K@30HZ	1T-CT-647	HDMI - Cat.5e/Cat.6 Transmitter

1T-CT-642

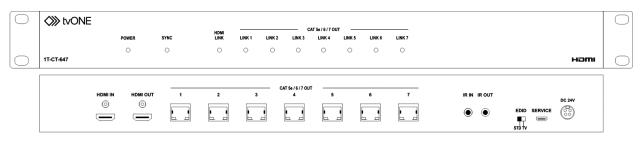


HDMI - Cat.5e/Cat.6 Receiver



1T-CT-647 HDMI over Single CAT.5e/CAT.6 €HDB.T[™]

Panel Drawings



HDMI Input HDMI Output CAT.5e/6 Output 1-7

