

1T-CT-653-USWP/1T-CT-654-USWP

2 Gang Wall Plate (US Style) HDMI Over Single Cat.6 with LAN/IR/RS-232



Key Features

- HDMI 1.4a, HDCP 1.1 & DVI 1.0
- Uncompressed HDMI signal distribution to 100m/325ft
- Supports Embedded HDMI Lossless Digital Audio
- Full HD resolution support (1080p@60Hz/36bit) & 3D
- UHD support (4k@30Hz)
- PC resolutions up to WUXGA
- Supports HDCP Repeater and CEC bypass
- Uses a single Cat.5e/Cat.6 Ethernet cable
- Bi-directional IR remote support
- Bi-directional RS-232 and Ethernet support
- Power over HDBaseT (PoH) or local power input
- Compatible with CORIOmax HDBaseT Output Modules
- For installation into 3.7" x 2.8" wall cut outs or 2 gang low voltage electrical boxes

1T-CT-653-USWP/654-USWP HDMI over Cat.6 System

Overview

1T-CT-653-USWP/1T-CT-654-USWP HDMI over Single Cat.6 system consists of a 1T-CT-653-USWP Transmitter coupled with a 1T-CT-654-USWP Receiver (each purchased separately) which employs HDMI v1.4 capability and HDBaseT 5Play™ technology to allow transmission of uncompressed, 1080p high definition television signals over a single Cat.5e or Cat.6 cable. 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. Control signals can be passed via Ethernet, Infrared or RS-232.

The 1T-CT-653-USWP/1T-CT-654-USWP system can achieve signal distribution distances of up to 100 meters (325 feet) for uncompressed 1080p signals without signal degradation. Power over HDBaseT (PoH) support allows the Receiver to be powered by a PoH Transmitter (1T-CT-653-USWP, 1T-CT-653, MX-8488) if a local power connection is not available.

Specifications

Video I/O

1T-CT-653-USWP Tx-HDMI In	1x via HDMI Connector
1T-CT-654-USWP Rx-HDMI Out	1x via HDMI Connector

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

1T-CT-653-USWP Tx – Cat.6	1x via RJ45 Connector
1T-CT-654-USWP Rx – Cat.6	1x via RJ45 Connector

Additional I/O

Connectors (each unit)	1x LAN RJ45, 1x DB9 RS-232, 2x 3.5mm mini-jack (Infrared)
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Signals & Protocols

Industry Standards	HDMI v1.4 (3D, 4k), HDCP, DVI 1.0, IR, RS-232, Ethernet
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Video Performance

Maximum Resolution	HD up to 1080p@60Hz/36bit, UHD to 4k@30Hz, PC to WUXGA
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Audio Support

Formats Supported	LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus & DTS-HD Master
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HDBaseT Support

Maximum Bandwidth	10.2Gbps/300MHz
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Maximum Range

up to 1920x1200@60Hz	100m (325 ft.) using Cat.5e/6
up to 3840x2160@30Hz	70m (230 ft.) using Cat.5e/6 100m (325 ft.) using Cat.6a/7

Cable Requirements (T/R)

Ethernet Cable, UTP or STP	Cat.5e, Cat.6, Cat.6a or Cat.7 cable
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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

Warranty

Limited Warranty	3 Years Parts and Labor
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Regulatory Approvals

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

Mechanical (H-W-D)

1T-CT-653-USWP Transmitter	110x119.5x40mm (4.33x4.7x1.57")
1T-CT-654-USWP Receiver	110x119.5x40mm (4.33x4.7x1.57")

Weight

1T-CT-653-USWP Transmitter	353g (0.78 lbs.)
1T-CT-654-USWP Receiver	353g (0.78 lbs.)

Power Requirement

1T-CT-653-USWP Transmitter	24VDC Screw Lock Connector
1T-CT-654-USWP Receiver	5VDC Screw Lock Connector

Accessories Included

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

Model Numbers

1T-CT-653-USWP	HDMI - Cat.6 Transmitter
1T-CT-654-USWP	HDMI - Cat.6 Receiver



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Panel Drawings

