TP-576

HDMI & Long-reach DGKat PoC Transceiver with RS-232 & IR

| HDMI | HDCP Compliant | DGKat | Kramer Core

The TP-576 is a DGKat™ twisted pair line driver for HDMI, bidirectional RS-232 and infrared signals. The unit receives an HDMI signal either from a local HDMI source or from a compatible twisted pair transmitter. It decodes the selected signals to the local HDMI, RS-232 and IR outputs and simultaneously transmits them to a compatible twisted pair receiver

FEATURES

Max. Data Rate - 6.75Gbps (2.25Gbps per graphic channel, HDMI); 4.95Gbps (1.65Gbps per graphic channel, twisted pair)

HDTV Compatible

HDCP Compliant

DGKat™ Signal Integration - Kramer's unique technology for converting TMDS as well as control and communication to signals that run over twisted pair cables

HDMI Support - x.v.Color™, HDMI Uncompressed Audio Channels, Dolby TrueHD, DTS-HD

3D Pass-Through

EDID Pass–through - Pass–through algorithm ensures Plug and Play operation for HDMI source and display systems

HPD Pass Thru - Passes hot plug detect signals from display to source

Active Input/Output LED Indicators

System Range - Up to 90m (295ft) at 1080i @60hz or up to 70m (230ft) at 1080p @ 60hz when using Kramer DGKat cables. Note: Transmission range depends on the signal resolution, graphics card and display used. If using third–party shielded CAT cables, both ends of the shield must be soldered to the connectors for the products to function properly

Flexible Control - Front panel, RS-232 & IR switching

Power Connect™ System - A single connection to the TP-576 powers the transmitter, receiver and line driver units

Compact MegaTOOLS™ - 2 units can be rack mounted side-by-side in a 1U rack space with the recommended rack adapter

TECHNICAL SPECIFICATIONS

INPUTS:	1 HDMI connector; 1 twisted pair on an RJ−45 connector
OUTPUTS:	1 twisted pair on an RJ−45 connector; 1 HDMI connector
PORTS:	1 bidirectional IR port on a 3.5mm mini jack, 1 bidirectional RS−232 port on a 9−pin D−sub connector (for local control)
MAX. DATA RATE:	6.75Gbps (2.25Gbps per graphic channel, HDMI); 4.95Gbps (1.65Gbps per graphic channel, twisted pair)
COMPLIANCE WITH HDMI STANDARD:	Supports HDMI and HDCP
RS-232 BAUD RATE:	Up to 38.4kbps
CONTROLS:	EDID SETUP button, input select button
INDICATOR LEDs:	IN 1, IN 2, OUT 1, OUT 2, and ON LEDs
POWER CONSUMPTION:	12V DC, 1.1A (full load, for example, when connected with TP−573 and TP−574)
INCLUDED ACCESSORIES:	Power supply, bracket installation kit
PRODUCT DIMENSION:	18.75cm x 11.50cm x 2.54cm (7.38" x 4.53" x 1.00") W, D, H
PRODUCT WEIGHT:	0.4kg (0.9lbs) approx
SHIPPING DIMENSION:	34.50cm x 16.50cm x 5.20cm (13.58" x 6.50" x 2.05") W, D, H
SHIPPING WEIGHT:	1.0kg (2.2lbs) approx