



KRAMER

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

I-EDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID handling & processing algorithm ensures Plug and Play operation for HDMI 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, or up to 30m (98ft) at 1080p on shielded BC-DGKat524 cable. Up to 90m (295ft) at 1080i, or up to 70m (230ft) at 1080p on shielded BC-DGKat623 cable. Up to 100m (330ft) at 1080i or up to 90m (295ft) at 1080p on shielded BC-DGKat7a23 cable

Cable - For optimum range and performance, use Kramer's BC-DGKat524, BC-DGKat623 and BC-DGKat7a23 cables. Note that the transmission range depends on the signal resolution, graphics card and display used. The distance using non-Kramer CAT 5, CAT 6, and CAT 7 cables may not reach these ranges. Use only shielded cable where both ends of the shield are soldered to ground

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 optional RK-T2B universal rack adapter



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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
OPTIONS:	RK-T2B 19" rack adapter
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

