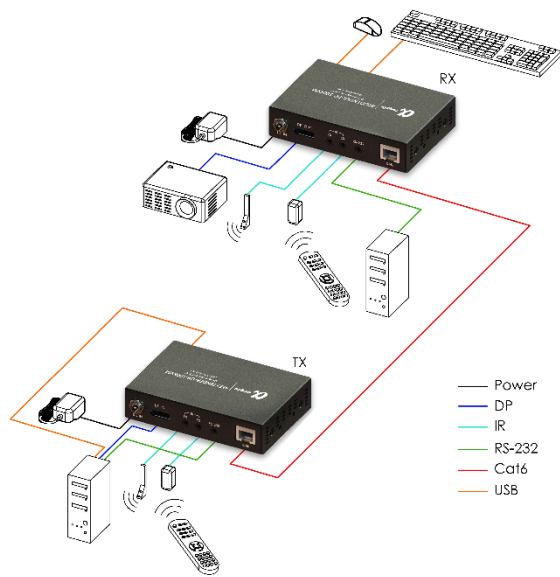# DP to DP Extender Over Cat.6 for 100M with KVM, RS232 Features

Model no: EXP-DP-5000

aegis' 4KEXTENDER-DP series using AVT technology for this DisplayPort Extender product lines. It extends DisplayPort signal over just one qualified 100 Ohm Cat.6 (or up) cable with no signal compression. It can extend DisplayPort signal up to 100 meters and support resolution up to 3840x2160@60Hz. Please make sure the DP input/output directly connect with DP source and DP monitor.

DIAGRAM

FEATURES

- Audio and video are transmitted digitally over CAT.6 (or up) cable without signal loss.
- Range: 100 meters with 4K2K resolution.
- Compliant with DP1.2a, main link configuration
- HDCP Support 1.3
- HBR2/HBR/RBR link rate
- 1, 2, or 4 lanes
- Support Connect USB type Keyboard & Mouse
- Support Bidirectional IR/RS-232 pass-through

ELECTRICAL CHARACTERISTICS

- Maximum resolution Supported：3840 x 2160 (4K x 2K) 60 Hz.
- Features supported: EDID.
- All compatible 3D formats defined in DP 1.2a specifications.
- Power Adapter
- Input Voltage: 100-240V @ 50-60Hz.
- Input Current: 0.3A
- Output Voltage: 5V

SPECIFICATIONS

I/O CONNECTORS	Transmitter (TX)	Receiver (RX)
Inputs	1x DisplayPort Female Connector	1x RJ45 Jack
	1x DC Power Jack	1x DC Power Jack
	1x USB Type B	1xIR TX 3.5mm
	1x IR TX 3.5mm	
Outputs	1x RJ45 HD Signal	1x DisplayPort Female Connector
	1x IR RX 3.5mm	2x USB Type A
		1x IR RX 3.5mm
Control port	1x RS232 3.5mm	
MECHNICAL		
Transmitter/Receiver		
Dimensions (H-W-D)	110*75*25MM	
Weight	0.45kg	
ENVIRONMENTAL		
Operating Temperature	+0 to +40° C (+32° to 104° F)	
Operating Humidity	10% to 85% (Non-condensing)	
Storage Temperature	-20° to +60° (+20° to +140° F)	
Storage Humidity	10% to 85% (Non-condensing)	