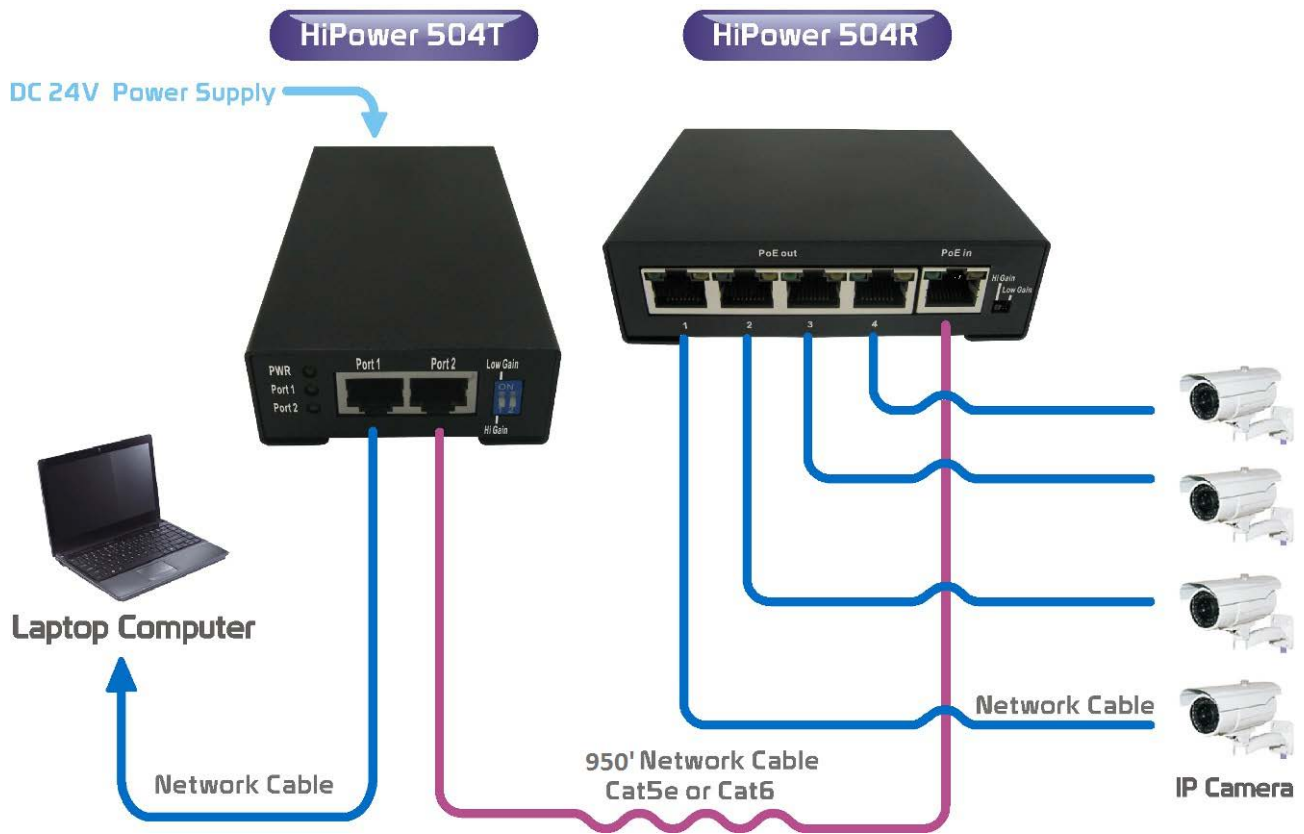


Hi-Power 504 TX/RX EC-HP-POE



Specifications:

Model Number		PoE Extender -Tx	PoE Extender - Rx	
Interface				
Connector	Data Port	1 RJ-45 female connector (IN)	---	Note1
	Power Port	1 DC Jack (IN)	---	
	Data+ Power Port	1 RJ-45 female connector (OUT)	1 RJ-45 female connector (IN)4 RJ-45 female connector (OUT)	
Cable		CAT 5e,CAT 6 Ethernet Cable (Note2, 3)		
Electrical				
Standard		IEEE 802.3af/at or Pre-at (RX PoE-out , Note1)		
Speed/ Throughput		100Mbps for full duplexer		



Specifications Continued:

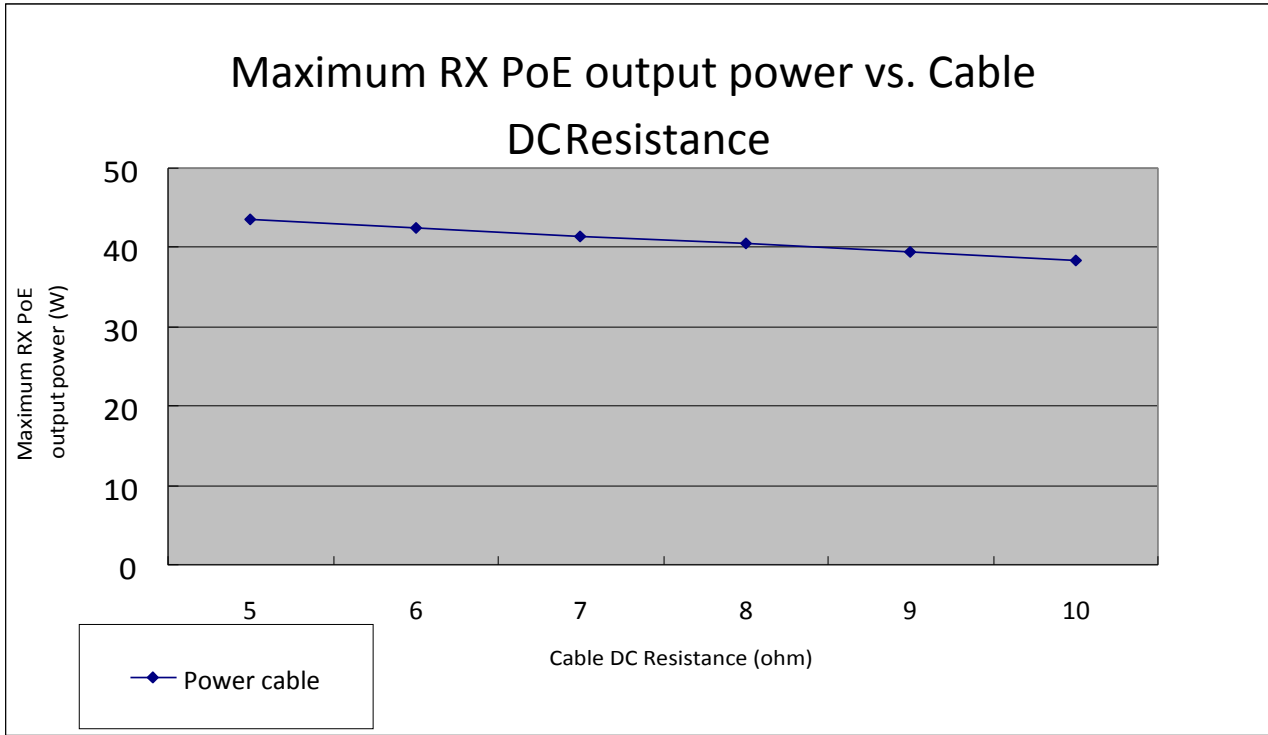
Transmission Distance @ 100Mbps	200m from Tx to Rx / 300m from Tx to device Note : Don't use crossover cables @ TX and RX		
Typical power available for 90W power adapter	4 Port Total Power >=48W @100m Tx-Rx >=43W @200m Tx-Rx		
	1 Port Power >=35.5W @100m Tx-Rx >=33W @200m Tx-Rx		
Power			
Powered by PoE		YES	
Input Operating Voltage	24 VDC	44~56 VDC @ RJ-45 female connector	
		56 VDC @ RJ-45 female connector	
Remote Powering Ability	-----	Maximal 53W	Cable & powersupply dependent
Power consumption	<=2.5 W (stand-alone) <=8 W (maximal output)	<=4.5W	
Mechanical			
Enclosure Material	Aluminum alloy		
Dimension	133mm x 67.5mm x 27.5mm	102.5mm x 90.5mm x 29.5mm	Not include connector
Environment			
Operating temperature	-10 to +60degree C		
Operating Humidity	10~ 80%, Non-condensing		

Note:

1. TX PoE-out and RX PoE-in can not work with IEEE802.3af/at device.
2. Do not use crossover cables between TX and RX.
3. Reference Cat5e cable character:

Insertion loss: 22dB/100meter at 100MHz,
 Crosstalk: 35.3dB/100Meter at 100MHz,
 Impedance: 100 +/-15%

Figure 1: Maximum RX PoE Output Power vs. Cable DC Resistance



1. Used 90W power adapter test
2. Typically resistance of Cat 5E between TX and RX is 5 ohm/100m (8Lines Cable TATUNG CO.).
3. Typically resistance of Cat6 between TX and RX is 3.5 ohm/100m (8Lines Cable TATUNG CO.).

Figure 2: Data Transmission Graph

