



800 METERS LONG REACH POE ETHERNET OVER UTP EXTENDER

DDPEI SERIES



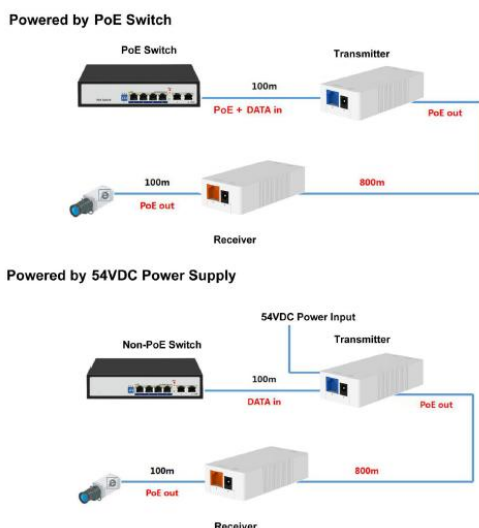
SYNOPSIS

- DDPEI 800 T U AND DDPEI 800 R U ARE ADVANCED 100 MBPS LONG-REACH POE ETHERNET OVER UTP EXTENDERS DESIGNED TO EXTEND BOTH DATA AND POWER OVER LONG DISTANCES.
- THESE DEVICES SUPPORT ETHERNET DATA TRANSMISSION AND POE POWER DELIVERY UP TO 800 METERS, (TRANSMISSION SPEED IS 10MBPS)
- THEY HELP EXPAND NETWORK INFRASTRUCTURE IN LOCATIONS WHERE LOCAL POWER SOURCES ARE NOT AVAILABLE.
- THE UTP 100MBPS ETHERNET POE EXTENDER GREATLY IMPROVES NETWORK PERFORMANCE BY EXPANDING BOTH NETWORK AND POWER OVER ETHERNET (POE) CAPABILITIES.
- FEATURING SUPPORT FOR 100MBPS POE INPUT AND OUTPUT PORTS, THIS DEVICE ENSURES STABLE AND EFFICIENT NETWORK CONNECTIONS.
- THEY COMPLY WITH IEEE 802.3AF AND IEEE 802.3AT POE STANDARDS, ENSURING SAFE AND DEPENDABLE POWER SUPPLY.
- THE SOLUTION ALLOWS DATA AND POWER TRANSMISSION OVER A SINGLE UTP CABLE
- THIS RESULTS IN REDUCED INSTALLATION COST, SIMPLIFIED DEPLOYMENT, AND IMPROVED EFFICIENCY.
- SUITABLE FOR LONG-DISTANCE POE CONNECTIVITY.

FEATURES

- 1 X 100MBPS POE IN PORT + 1 X 100MBPS POE OUT PORT
- COMPLIANT WITH IEEE 802.3, IEEE 802.3U, AND IEEE 802.3X STANDARDS
- SUPPORT IEEE802.3AF/AT POE STANDARD
- ONE-KEY SMART DIP SWITCH TO ENABLE LONG-DISTANCE MODE (800 METERS POE POWER)
- SUPPORT NETWORK AND POE EXPANSION
- SUPPORT 4KV SURGE PROTECTION TO ENSURE LONG-LASTING PERFORMANCE
- SUPPORT DESKTOP/WALL MOUNTING
- COMPACT DESIGN, SAVING INSTALLATION SPACE

APPLICATION DIAGRAM



TECHNICAL SPECIFICATIONS

Interface	1 *100Mbps PoE in port 1 *100Mbps PoE out port
Port Standard	IEEE802.3 (Ethernet) IEEE802.3u (Fast Ethernet) IEEE802.3x (Flow Control)
Switching Capacity	0.4Gbps
Packet Forwarding Rate	0.297Mpps
MAC Address Table	2K
Transmission Method	Store and forward
PoE Standard	IEEE802.3af (15.4W) IEEE802.3at (30W)
Extend Button	ON: Transmission distance is within 100 meters Extend: PoE power supply and data transmission distance can be extended to 800 meters, transmission speed is 10Mbps

POWER

PoE Port Output Voltage	DC 44-57V
PoE Port	Port PoE power output <30W
PoE Power Budget	30W

MECHANICAL

Dimension (L*W*H)	100*49*25mm
Weight	0.060KG
Installation	Desktop or wall mount
Protection	Port Surge: Common mode 4KV & Differential mode 2KV ESD: Air 8KV

ENVIRONMENTAL

Operation Temperature	0 to +40°C
Storage Temperature	-40 to +70°C
Operating Humidity	10% to 90% RH Non-condensing
Storage Humidity	5% to 95% RH Non-condensing

ORDERING CODE

DDPEI 800 T/R U

DDPEI	Industrial Grade Long Reach, PoE Ethernet over UTP Extender 1 *100Mbps PoE in port + 1 *100Mbps PoE out port, compliant with IEEE 802.3af/at, supporting up to 30W per port One-key smart DIP switch to enable long-distance mode (800 meters PoE Power) Transmitter & Receiver
800	Transmission distance 800 Meters
T/R	T: Transmitter (Blue RJ45 port serves as the Transmitter). Powered by PoE switch or DC power R: Receiver (the Orange RJ45 port serves as the Receiver) Powered by Transmitter
U	Fixed

DATA BRIDGE
D Y N A M I C