

# DTK-RM24POES

Rack Mount Shielded Power over Ethernet Surge Protection



**DITEK's DTK-RM24POES** is designed with state-of-the-art circuitry to provide superior protection for shielded Power over Ethernet connections. This 24-channel, 1U Rack Mount surge protector is compatible with CAT5e, CAT6 and CAT6A cabling infrastructure, and is ideal for installations where multiple Ethernet cabling feeds require protection before entering network switches.

## Product Features

- Uses SAD and GDT technologies for optimal protection
- Data speeds up to 10GbE without signal degradation
- Provides surge protection grounding to remote devices when using STP cabling
- PoE Plus, HiPoE ready for high-wattage applications
- Individual field-replaceable modules with shielded RJ45 connections
- Complies with IEEE Std. 802.3af and 802.3at for PoE

## Applications

- Network Switches, NVR's
- Midspans, Injectors, PoE Hubs
- Power over Ethernet Devices
- VoIP Systems

## Accessories

- Field-replaceable module – DTK-RM12PSM

Category	Max Data Transmission Speed	Max Bandwidth	Typical Distance
CAT5e	1 Gb	100 MHz	100 m
CAT6	1 Gb	250 MHz	100 m
CAT6A	10 Gb	500 MHz	100 m

\* Cabling information obtained from TIA-568-C.2

## Technical Specifications

Service Voltage:	<60V
Protection Modes:	L-G (All), L-L (All)
Clamping Voltage Common Mode (L-G):	75V
Clamping Voltage Differential Mode (L-L):	7.22V
Surge Current Rating:	20kA/Pair
Max. Continuous Current:	1.5Amps
Power Handling:	144 Watts
Data Rate:	Up To 10GbE

## Mechanical Characteristics

Connection Method:	Shielded RJ45 In/Out, 24 Channels
Housing:	Galvanneal
Operating Temperature:	-40°F - 158°F (-40°C - 70°C)
Maximum Humidity:	95% non-condensing
Dimensions:	19"L x 2.75"W x 1.75"H (483mm x 70mm x 45mm)
Weight:	1.67lb (.76kg)

## Quality, Standards & Approval

Agency Approvals:	UL497B
Standards Compliance:	CAT5e, EIA/TIA568A, EIA/TIA568B
Warranty:	Ten Year Limited Warranty

