

DTK-RM12POE

Rack Mount Power over Ethernet Surge Protection



DITEK's DTK-RM12POE protects power, video and data circuits that use state-of-the-art Power over Ethernet connections. This 12-channel, 1U rack mount surge protector is compatible with CAT5e, CAT6 and CAT6A cabling infrastructure, and is ideal surge protection for multi-port systems requiring both power and data.

Product Features

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

Applications

- Network Switches, NVRs
- Mildspans, Injectors, PoE Hubs
- VoIP Systems

Accessories

- Field replaceable module – DTK-RM12POEM

Category	Max Data Transmission Speed	Max Bandwidth	Typical Distance
CAT5e	1 Gbps	100 MHz	100 m
CAT6	1 Gbps	250 MHz	100 m
CAT6A	10 Gbps	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
Power Handling:	144 Watts
Data Rate:	Up To 10GbE

Mechanical Characteristics

Connection Method:	RJ45 In/Out, 12 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

