

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
CAT3	10 Mbps	16 MHz	100 m
CAT5	10 / 100 Mbps	100 MHz	100 m
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

Every precaution has been taken to ensure that this literature is accurate and complete. DITEK Corporation assumes no responsibility and disclaims all liability for damages resulting from the use of this information or for any errors or omissions.

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:	1.5A
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

