

# 1000 Base-T LAN Protector

Part Number: **LAN-1000BO**



**RoHS  
Compliant**

High Speed 1000Base-T  
IEEE 802.3ab Compliant  
DIN Rail or Surface Mountable  
Meets IEC 61643-21, 61000-4-5  
Category C2 & D1 Impulse Requirements  
Combines Gas Discharge Tube and  
Isolation Transformer Technologies  
GbE - Gigabit speed surge protection  
CAT5 and CAT5e Compatible  
All pins protected



**UL 497B Listed: File E140906**

Connector Style	RJ45 CATe UTP
Data Rate/Protocol	1000 Base-T – GbE 100 Base-TX 10 Base-T
Frequency	1MHz to 100MHz
Attenuation	< 3.0dB (1Mhz to 100 MHz)
Near End Crosstalk (NEXT)	> 30dB
DC Breakdown Voltage	450V ± 20% (100V/sec, 1mA) (Between each line and earth )
Voltage Protection Level	Max 1kV (1.2/50µs 2kV) (Between each line and earth)
Impulse Durability	8/20µs 5kA 10 Times (Cat. C2) 10/350µs 2kA 2 Times (Cat. D1)
AC Withstand Voltage	> 1kV
Impulse Withstand Voltage	> 1.5kV (1.2/50µs)
Protection Technology	Combines both Gas Discharge Tube and Isolation Transformer Technology
Humidity	90% non-condensing
Operating/Storage Temperature	-35°C to +60°C
Weight	2.05 oz (58 g)
Module Case Material	ABS Plastic, UL94 V-0 Flame Rating

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**Applications:**

- GigE Data Line Surge Protection
- Remote Networking Equipment
- Routers and Access Points
- IP Phone Systems
- Office Networks
- Security Camera Systems
- WiMax Systems

