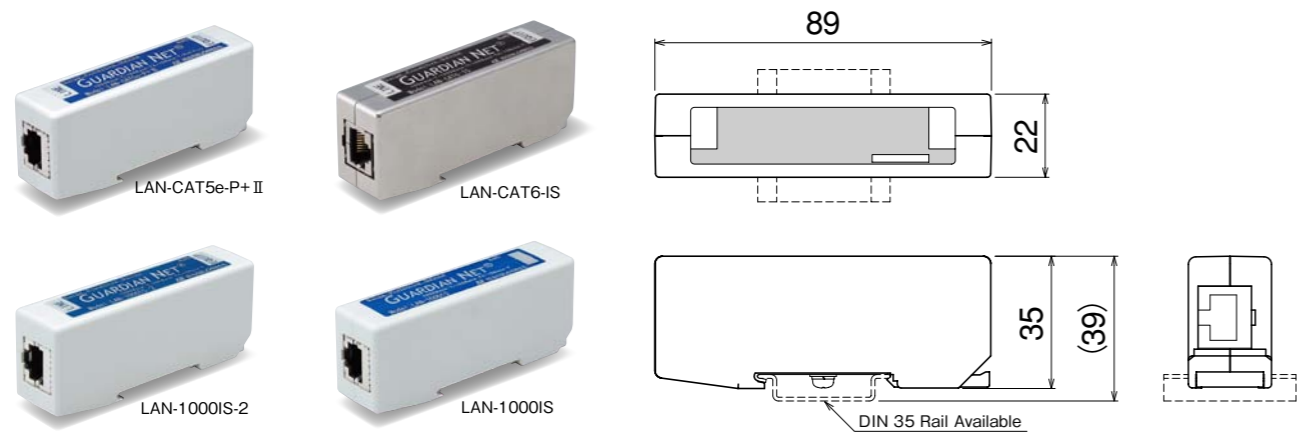
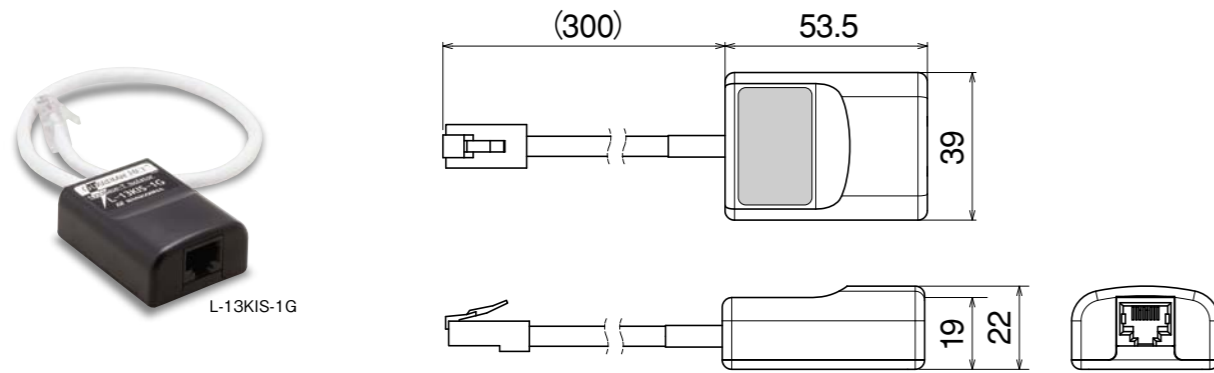


■ Dimensions

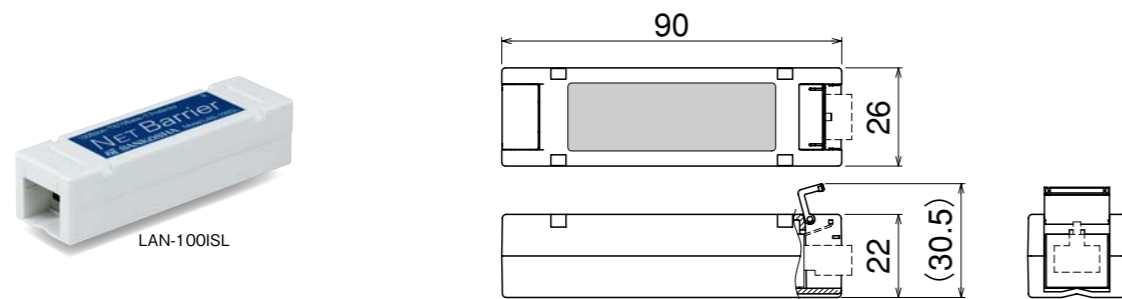
LAN-CAT5e-P+II, LAN-CAT6-IS, LAN-1000IS-2, LAN-1000IS



L-13KIS-1G



LAN-100ISL



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AD-32b/16.09

IEC61643-21 Compliant (LANCAT5e-P+II)
RoHS (Restriction of Hazardous Substances) Compliant
Category C2, D1 Compliant (LAN-CAT5e-P+II)

LAN Protector

LAN Protector will protect the communication device against damage by transient voltage and Lightning surge



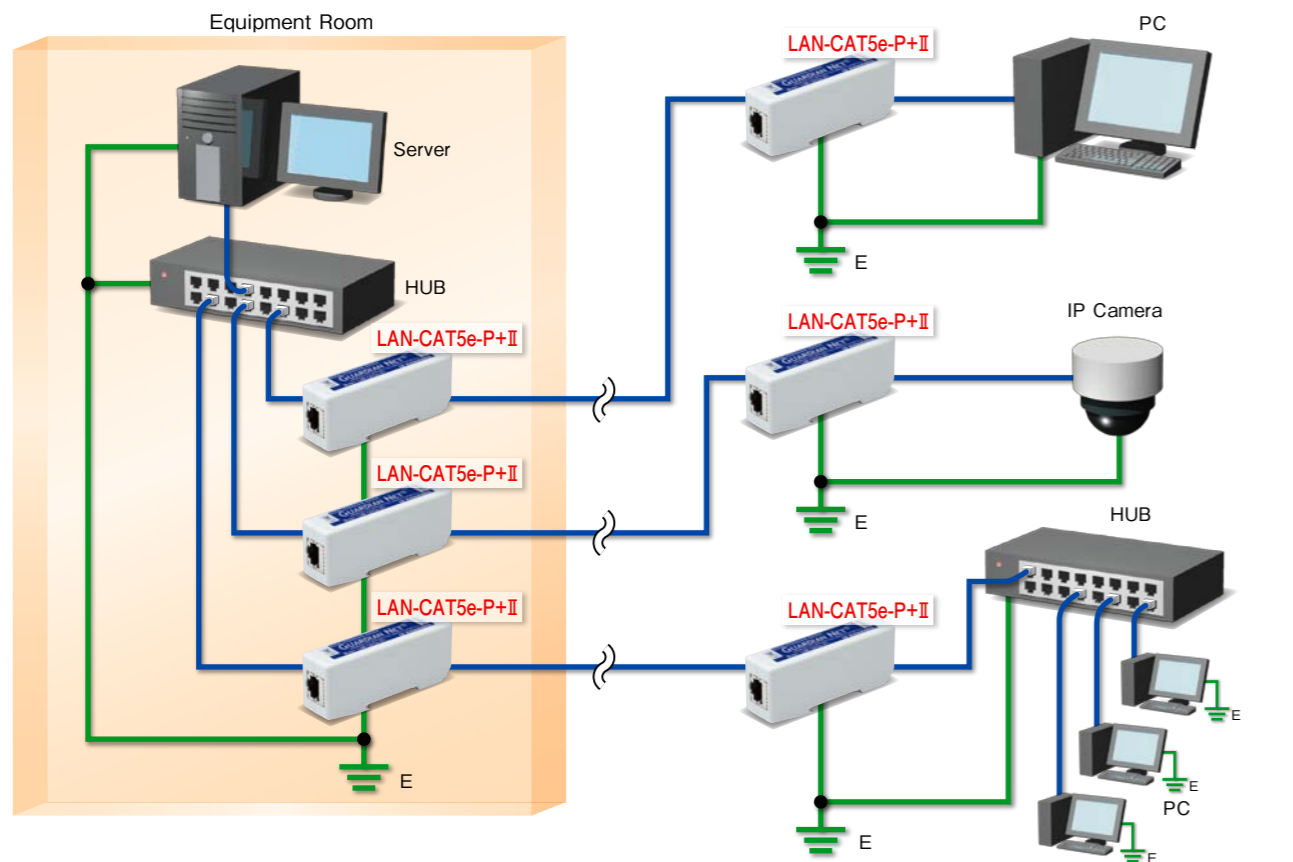
Feature ●●●●●

- Gigabit Ethernet CAT5e-P+II CAT6-IS 1000IS-2 1000IS L-13KIS-1G
- PoE Plus (IEE802.3at), POE (IEEE802.3af) CAT5e-P+II
- Insulating (no grounding required) CAT6-IS 1000IS-2 1000IS L-13KIS-1G 100ISL
- Discharge CAT5e-P+II
- DIN 35mm mount CAT5e-P+II CAT6-IS 1000IS-2 1000IS
- Grounding through DIN rail CAT5e-P+II

LAN Protector

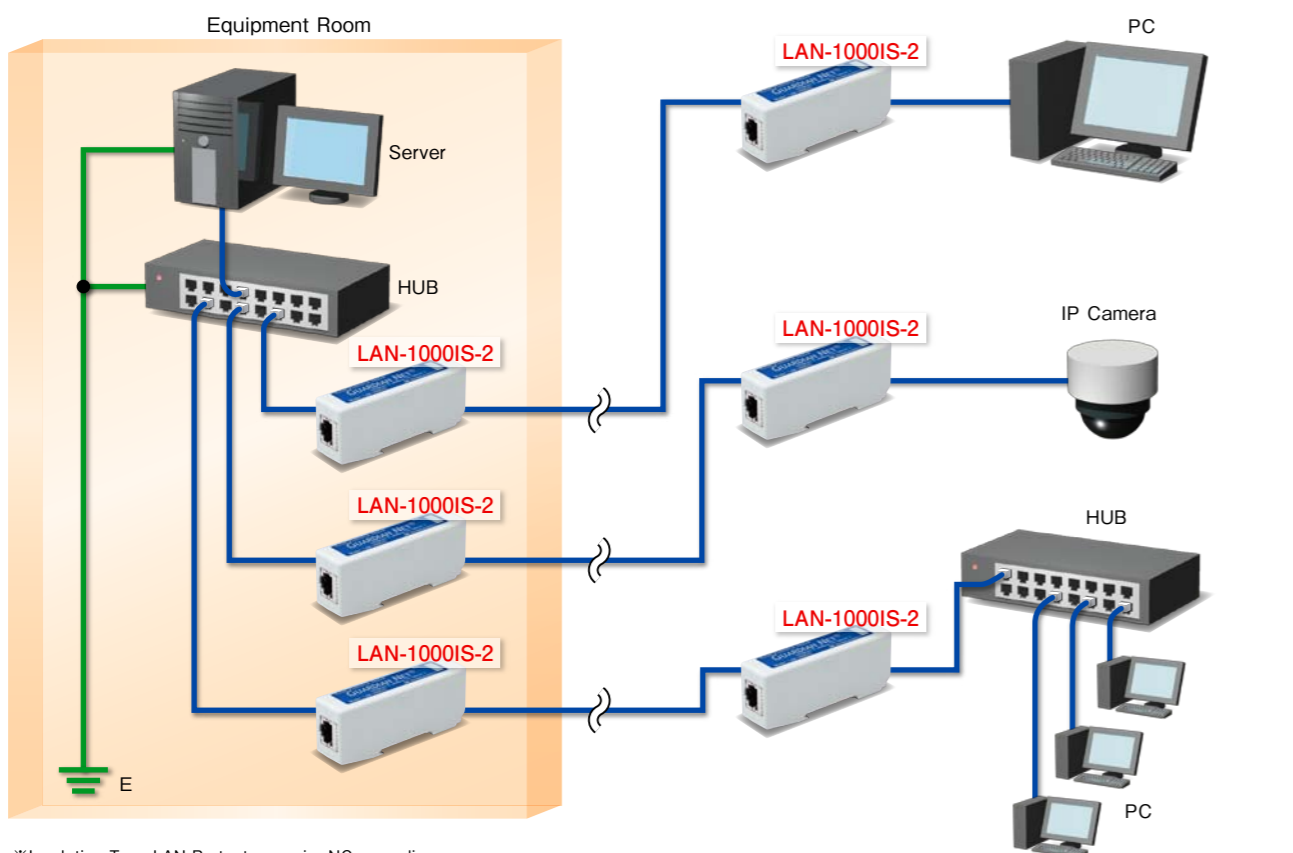
Lightning Surge Protection System Examples

Discharge Type



※Both of Grounding: the SPD and Protected Equipment must be in common with each other.
 ※Power Line and others should have suitable protectors.

Insulation Type



※Insulation Type LAN Protector require NO grounding.
 ※Power Line and others should have suitable protectors.

IEC (International Electrotechnical Commission) Compliant Product
RoHS ^{#1} (Restriction of Hazardous Substances) Compliant Product
UL (Underwriters Laboratories) Compliant Product

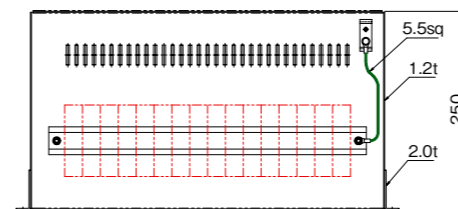
Parameters	Characteristics					
	Discharge Type	Insulation Type				
		LAN-CAT5e-P+II	LAN-CAT6-IS	LAN-1000IS-2	LAN-1000IS	L-13KIS-1G
Application	PoE System Gigabit Ethernet Network Camera The Wireless Access Point Telephone Equipment Applicable to VoIP Networking Equipment in the Outside Building	Gigabit Ethernet Network Camera Standard Home Network Device such as PC Networking Equipment in the Outside Building			Gigabit Ethernet Standard Home Network Device such as PC	Network Camera Medical Equipment Networking Equipment in the Outside Building
Protocol	100BASE-TX	○	○	○	○	○
	1000BASE-T	○	○	○	○	—
	10GBASE-T	—	○ ^{#2}	—	—	—
Frequency band	DC~100MHz	1M~250MHz		1M~100MHz		
PoE	IEEE802.3af	○	—			
	IEEE802.3at	○	—			
Attenuation	1.0dB or less	2.0dB or less		1.5dB or less	3.0dB or less	3.0dB or less
Maximum Discharge Current (Total Capacity of 8 core cable)	Category C2 (8/20μs)	5kA (10times)		—		
	Category D1 (10/350μs)	2.5kA (2times)		—		
Protection Level	Neutral-Earth	500V or less (1.2/50μs 10kV)		—		
AC Withstand Voltage	—	2kV or more	4kV or more	3kV or more	4kV or more	4kV or more
Impulse Withstand Voltage	—	5kV or more	15kV or more	5kV or more	13kV or more (10/700μs) 10kV or more (1.2/50μs)	6kV or more
Maximum Continuous Operating Voltage U _c	Between PoE Terminals	DC60V		—		
	Between Each Line and the Earth Terminal	DC60V		—		
Current Rating (IEEE802.3af and IEEE802.3at)	600mA		—			

※1 The product does not contain a following six substances; Cadmium, Lead, Mercury, Hexavalent chromium, Polybrominated biphenyls, Polybrominated diphenyl ethers (Except 2011/65/EC Annex III).

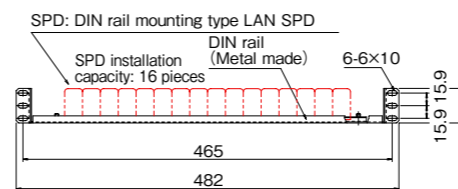
※2 This product supports to Cat.6. It does not support Cat.6A.

DIN rail rack panel [19-PD35] for SPD mounting (Sold separately) **RoHS**

This product can be easily installed to 19 inch rack 1U when several DIN rail mounting type LAN SPDs are used.



• Applicable for connecting Metal DIN rail with the earthing at once
 • 16 pieces of SPD to 19 inch rack 1U at maximum



(This product doesn't include SPD.)

LAN SPD fixing bracket [LAN-MB1] for 1 piece (Sold separately) **RoHS**

This product can fix DIN rail mounting type LAN SPD to inside a box etc.