

## ATLAN 24/16/8 Series

### PROTECTOR FOR COMPUTER NETWORK RACK

## ATLAN 24/16/8

- AT-2206 ATLAN 8:**  
protector in rack ready  
for 8 network lines.
- AT-2209 ATLAN 16:**  
protector in rack ready  
for 16 network lines.
- AT-2208 ATLAN 24:**  
protector in rack ready  
for 24 network lines.



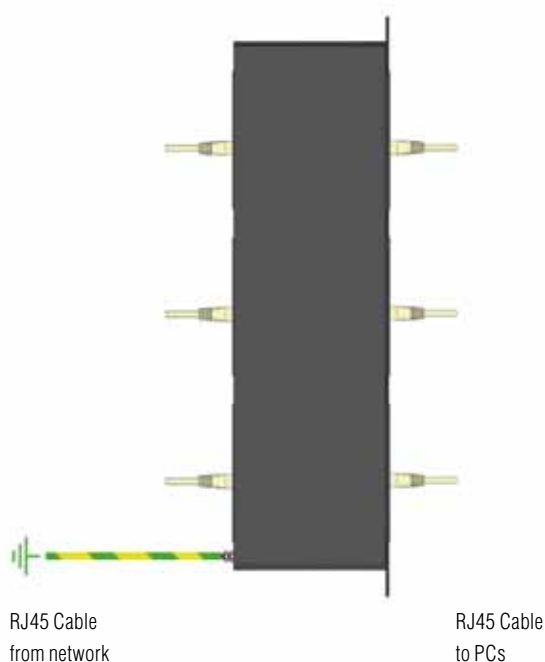
### Installation

Protection should be done **as close as possible to the equipment**. In this particular case, we're talking about switches and hubs.

In case where two equipments located in **separated buildings but linked together** are to be protected, protection must be installed in both sides of the line.

The recommended installation procedure is as it follows:

1. Screw down protectors in the box prepared for mounting in the 19" rack.
2. Insert the network distribution lines that come off the hub or switch to the protector.
3. Bond the cabinet ground to the ground marked in the box chassis.



ATLAN SPDs are specially designed **to avoid failures in data transfer between equipments inside the same network**. They protect the input of the electronic circuits of the network cards against harms due to transient currents.

ATLAN 24/16/8 is an SPD prepared for **24, 16 and 8 lines** of protection with four pairs protected per line. This is done with a Printed Circuit Board with **RJ45 input/output connectors**.

With a withstanding current up to 2kA for each line and a transfer speed of Gbits/s.

It's aimed to be inserted into a rack and protect distribution computer network cabinets. Because of its high transfer speed, it's suitable for networks **transferring a big amount of data** (servers, workstations, graphic stations, etc).

Includes output cable with connector RJ45 of 50 cm.

ATLAN 24/16/8 have been tested in **official, independent laboratories**, obtaining their characteristics according to relevant standards (related in the table).



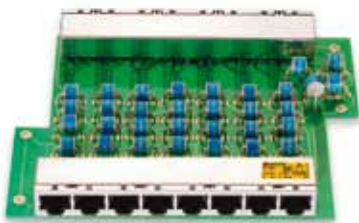
**Earth connection** is a must. Earthing in all the installation must be bonded either directly or by a spark gap and resistance should be lower than 10Ω. If the indications of this datasheet are not fulfilled during the use or installation of the SPDs, the protection assured by this device could be endangered.

## Serie ATLAN 24/16/8

### Technical Datasheet

Reference		ATLAN 8 AT-2206	ATLAN 16 AT-2209	ATLAN 24 AT-2208
Maximum speed transfer:			1000Mbit/s	
Nominal voltage:	$U_n$		5V <sub>DC</sub>	
Maximum continuous operating voltage:	$U_c$		6V <sub>DC</sub>	
Nominal discharge current for line C2 4kV(1,2/50µs) / 2kA(8/20µs):	$I_n(C2)$		2kA	
Protection level:	$U_p$		50V	
Maximum working current:	$I_L$		300mA	
Series resistance:	$R_s$		15Ω	
Response time:	$t_r$		< 10ns	
Working temperature:	$\vartheta$		-40°C to +70°C	
SPD location:			Indoor	
Type of connection:			Series (two ports)	
Number of pairs protected:		8 x 4 pairs	16 x 4 pairs	24 x 4 pairs
Dimensions:			483 x 130 x 46mm	
Enclosure material:			Steel	
Enclosure protection:			IP20	
Input / Output connector:			RJ45 / RJ45 shielded	
Earthing:			M5 screw	
Certificated tests according to: IEC 61643-21, EN 61643-21				
Complies with requirements of: UL 1449				
Relevant standards: UNE 21186, NFC 17102, IEC 62305				

### Accessories



- ATLAN 8 PCB – AT-2215  
Printed Circuit Board for ATLAN 8/16/24. It is prepared for 8 lines.
- ATLAN 8/24 – AT-2201  
Metallic panel where ATLAN 8 PCB modules can be fitted in up to a number of 3, to be mounted in 19" racks.

### Dimensions

