



## &gt; PROTECTION FOR DATA AND TELECOMMUNICATION LINES

## &gt; ATLAN 24/16/8 SERIES

## &gt; ATLAN 24/16/8

Protector for computer network rack



- > **AT-2206 ATLAN 8:** protector in rack for 8 network lines.
- > **AT-2209 ATLAN 16:** protector in rack for 16 network lines.
- > **AT-2208 ATLAN 24:** protector in rack for 24 network lines.
- > **AT-2224 ATLAN 8 POE:** protector in rack for 8 POE (Power over Ethernet) network lines.
- > **AT-2225 ATLAN 16 POE:** protector in rack for 16 POE (Power over Ethernet) network lines.
- > **AT-2223 ATLAN 24 POE:** protector in rack for 24 POE (Power over Ethernet) network lines.

ATLAN protectors are especially designed to prevent failures in data transfer between equipment within the same network. They protect the electronic circuit inputs of the network cards against damage due to transient currents.

ATLAN 24/16/8 is an SPD for **24, 16 and 8 lines** protection with four pairs protected per line. This is done using a printed circuit board with RJ45 input/output connectors, able to withstand current up to 2 kA for each line and with a transfer speed of Gbits/s.

It is especially designed to be inserted into a rack and protect computer network distribution cabinets. Due to its high transfer speed, it is suitable for networks **transferring a large amount of data** (servers, workstations, graphic stations etc)

Includes 50 cm output cables with RJ45 connector.

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

## &gt; INSTALLATION

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

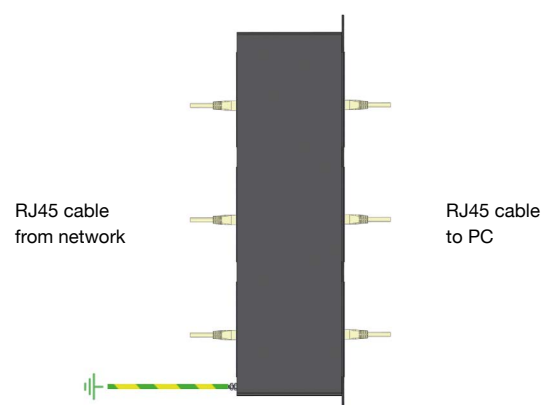
If there are two pieces of equipment located in **separate buildings but linked together**, the protection must be installed on both sides of the line.

The **recommended procedure** for installation is the following:

- ❶ Screw the protectors onto the 19" rack for computer network distribution.
- ❷ Run the network distribution lines from the hub or switch to the protector.
- ❸ Bond the rack ground to the ground marked in the box chassis.



**Connection to earth is a must.** Earthing in the whole installation must be bonded either directly or by a spark gap and resistance should be lower than 10  $\Omega$ . If the indications on this datasheet are not fulfilled during use or installation of the protectors, the protection provided by this device could be compromised.





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## &gt; TECHNICAL DATASHEET

Reference:		ATLAN 8 AT-2206	ATLAN 16 AT-2209	ATLAN 24 AT-2208	ATLAN 8 POE AT-2224	ATLAN 16 POE AT-2225	ATLAN 24 POE AT-2223
Maximum transfer speed:		1000 Mbit/s					
Nominal voltage:	U <sub>n</sub>	5 V <sub>DC</sub>				48 V <sub>DC</sub>	
Maximum continuous operating voltage:	U <sub>c</sub>	6 V <sub>DC</sub>				60 V <sub>DC</sub>	
Nominal discharge current for line C2 4 kV (1.2/50 μs) / 2 kA (8/20 μs):	I <sub>n</sub> (C2)	2 kA					
Protection level:	U <sub>p</sub>	100 V				200 V	
Maximum operating current:	I <sub>L</sub>	300 mA					
Series resistance:	R <sub>s</sub>	15 Ω					
Response time:	t <sub>r</sub>	< 10 ns					
Working temperature:	ϑ	-40 °C to +70 °C					
Protector location:		Indoor					
Type of connection:		Series (two ports)					
No. of pairs protected:		8 x 4 pairs	16 x 4 pairs	24 x 4 pairs	8 x 4 pairs	16 x 4 pairs	24 x 4 pairs
Dimensions:		483 x 150 x 44 mm					
Enclosure material:		Steel					
Enclosure protection:		IP20					
Input / output connector:		RJ45 / RJ45 shielded					
Earthing system:		M5 screw					

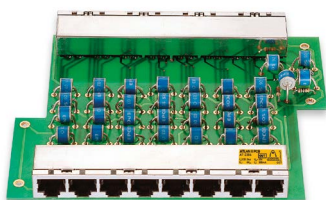
Certificated tests according to: UNE-EN 61643-21

Relevant standards: UNE 21186, NF C 17-102, IEC 62305

## &gt; DIMENSIONS (MM)



## &gt; ACCESSORIES



## &gt; ATLAN 8 PCB – AT-2215

Printed Circuit Board for ATLAN  
24/16/8. Protects 8 lines.

## &gt; ATLAN 8 PCB POE – AT-2231

Printed Circuit Board for ATLAN 24/16/8  
POE. Protects 8 lines.

## &gt; ATLAN 8/24 – AT-2201

Metal panel where up to 3 ATLAN 8 PCB modules can be fitted. To be  
mounted on 19" computer racks.