

SINGLE PROTECTOR FOR COMPUTER NETWORKS

ATLAN

AT-2107 ATLAN 100 BASE-T:

single network SPD with speed of 100Mbit/s.

AT-2204 ATLAN 1000 BASE-T POE:

single network SPD with speed of 1 Gbit/s
type Over Ethernet

AT-2207 ATLAN 1000 BASE-T:

single network SPD with speed of 1 Gbit/s.



Installation

Protection should be done as close as **possible to the equipment**. A UTP cable provided with a RJ45 connector has 8 wires. ATLAN protects **in series** 4 pairs of wire.

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. Insert the protector between the network wire with RJ45 connector and the equipment to be protected.
2. Bond the protector to the ground through a connector type "faston" supplied.



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 is a protector with **RJ45 input and output connectors**, with a withstanding current up to 2kA for line.

It is available with different voltages and data transmission speed.

It's designed to protect individually every single equipment connected to the computers network.

1000 BASE-T version is design for equipments which transmit a **big amount of data** (working stations, graphic stations, servers...)

Includes cable with connector RJ45 of 50 cm.

ATLAN 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.

ATLAN Series

Technical Datasheet

Reference		ATLAN 100 BASE-T	ATLAN 1000 BASE-T POE	ATLAN 1000 BASE-T
		AT-2107	AT-2204	AT-2207
Maximum speed transfer:		100Mbit/s	1000Mbit/s	1000Mbit/s
Nominal voltage :	U_n	5V _{DC}	48V _{DC}	5V _{DC}
Maximum continuous operating voltage:	U_c	6V _{DC}	65V _{DC}	6V _{DC}
Nominal discharge current for line C2 10kV(1,2/50µs) / 5kA(8/20µs):	$I_n(C2)$		2kA	
Protection level at I_n (8/20µs):	U_p	50V	100V	50V
Maximum working current:	I_L		300mA	
Series resistance:	R_s		15Ω	
Response time:	t_r		< 10ns	
Working temperature:	ϑ		-40 a +80°C	
SPD location:			Indoor	
Type of connection:			Series (two ports)	
Number of pairs protected :			4 pairs	
Dimensions:			70 x 47 x 30mm	
Enclosure material:			Aluminium	
Enclosure protection:			IP20	
Input / Output connector:			RJ45 / RJ45 shielded	
Earthing:			6mm Faston	
Certificated tests according to: IEC 61643-21, EN 61643-21				
Complies with requirements of: UL 1449				
Relevant standards: UNE 21186, NFC 17102, IEC 62305				

Dimensions

