



> PROTECTION FOR DATA AND TELECOMMUNICATION LINES

> ATLAN SERIES

> ATLAN-C8

Protector against overvoltages for 8 computer lines in one box



> **AT-2221 ATLAN-C 8:** protector ready for 8 local network lines.

ATLAN-C 8 is a protector for **eight line protection**, four pairs protected per line. This is done with a printed circuit board with **RJ45 input/output connectors**, able to withstand current up to 2 kA for every line and with a transfer speed of Gbits/s.

It is especially designed to protect equipment which requires a high internet connection speed, such as the PCs from a cyber place.

Includes eight 50 cm cables with RJ45 connector.

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

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.

> INSTALLATION

Protection should be installed **as close as possible to the equipment**.

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:

- 1 Insert the protector between the cable with RJ45 connector and the equipment to be protected.
- 2 Bond the cabinet ground to the ground marked on the 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 Ω . 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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> TECHNICAL DATASHEET

Reference:		ATLAN-C 8 AT-2221
Maximum transfer speed:		1000 Mbit/s
Nominal voltage:	U_n	5 V _{DC}
Maximum continuous operating voltage:	U_c	6 V _{DC}
Nominal discharge current per line C2 4 kV (1.2/50 μ s) / 2 kA (8/20 μ s):	$I_n(C2)$	2 kA
Protection level:	U_p	100 V
Maximum operating current:	I_L	300 mA
Series resistance:	R_s	15 Ω
Response time:	t_r	< 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
Dimensions:		180 x 156 x 38 mm
Enclosure material:		Polyamide
Enclosure protection:		IP20
Insulation resistance:		> 10 ¹⁴ Ω
Self-extinguishing enclosure:		V-0 Type according to UNE-EN 60707 (UL94)
Input / output connector:		RJ45 / RJ45
Earthing system:		M5 screw

Certificated tests according to: UNE-EN 61643-21
 Relevant standards: UNE 21186, NF C 17-102, IEC 62305

> DIMENSIONS (MM)

