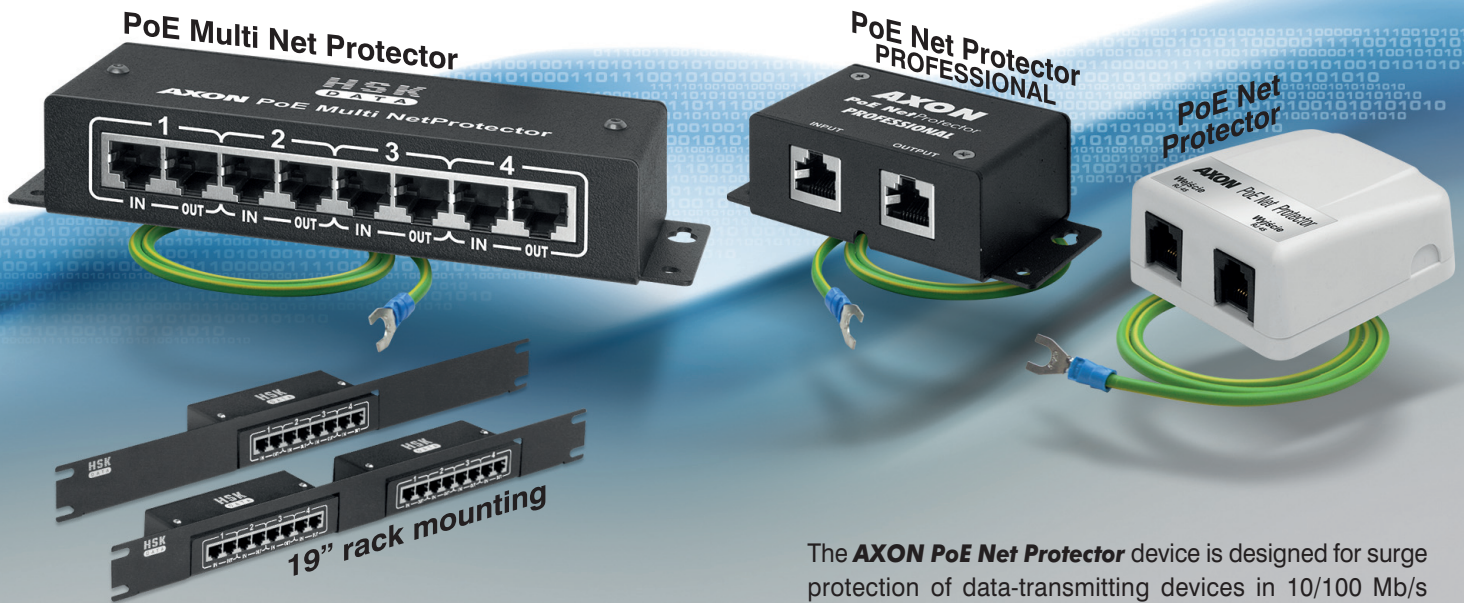


# AXON

## PoE Net Protector PoE Net Protector PROFESSIONAL PoE Multi Net Protector



### Common specifications:

Signal channel – pairs 1-2, 3-6	
Rated voltage $U_N$	5V
Maximum voltage $U_C$	6V
Level of protection $U_P$ line-line	$\leq 40V - 1kV/\mu s, C3$
Level of protection $U_P$ line-grounding	$\leq 600V - 1kV/\mu s, C3$
Nominal discharge current $i_N$ line-line	20A – 10/1000 $\mu s, C3$
Nominal discharge current $i_N$ line-grounding	20A – 10/1000 $\mu s, C3$
Power supply channel – line 4, 5 & 7, 8	
Rated voltage $U_N$	50V
Maximum voltage $U_C$	56V
Rated current $I_N$	400mA
Level of protection $U_P$ line-line	$\leq 95V - 1kV/\mu s, C3$
Level of protection $U_P$ line-grounding	$\leq 1000V - 1.2/50\mu s, C2$
Nominal discharge current $i_N$ line-line	10A – 10/1000 $\mu s, C3$
Nominal discharge current $i_N$ line-grounding	2kA – 8/20 $\mu s, C2$
Standards	PN-EN 61643-21

### Specification: only AXON PoE Net Protector

Dimensions	66x60x30mm + 0.3m grounding wire
Housing/Weight	plastic / 0.08kg
Number of channels / Type of sockets	1 / RJ45 (8P8C)

### Specification: only AXON PoE Net Protector PROFESSIONAL

Dimensions	70(95)x50x30mm + 0.3m grounding wire
Housing/Weight	metal, painted / 0.16kg
Number of channels / Type of sockets	1 / RJ45 (8P8C) shielded

### Specification: only AXON PoE Multi Net Protector

Dimensions	167x50x32mm + 0.5m grounding wire
Housing/Weight	metal, painted / 0.4kg
Number of channels / Type of sockets	4 / RJ45 (8P8C) shielded

The **AXON PoE Net Protector** device is designed for surge protection of data-transmitting devices in 10/100 Mb/s Ethernet systems; in particular, it is designed to protect modems, routers and repeaters powered remotely through PoE, i.e. via unused pairs of wires in the transmission cable. Depending on the model, it has one or four independent channels to provide protection for the signal and power channels using a single device. **AXON PoE Net Protector** includes two channels - the data transmission channel (lines 1-2, 3-6) and the power supply channel (lines 4+5, 7+8). Both of these lines are protected by overvoltage elements that discharge the charge to the ground and protect the lines in each pair of wires. In order to increase the load value of the power supply channel, line 4 is connected to line 5 and line 7 to line 8. The devices under the **AXON PoE Net Protector** brand are made in three versions, allowing you to customize the security configuration to meet your needs. The 1- and 4-channel versions have a metal housing, which guarantees high resistance to various kinds of mechanical damage and provides shielding for the entire protection system. The single-channel unit in plastic housing retains most of the features of the metal variant at a lower unit cost. **IMPORTANT!** For the proper operation of the protector, it is necessary to connect it to proper grounding or a PE wire. It is recommended that the zeroing effectiveness or the grounding resistance were consistent with applicable regulations. **NOTE:** do not connect the unit's grounding wire to the lightning protection of the building!

The manufacturer reserves the right to change the technical parameters of the device, resulting from technological progress.  
NOTE! Specifications define the maximum values of voltage spikes, against which the device is protected.