

SD-404 SD-424

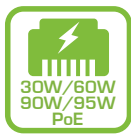
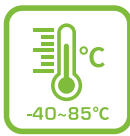


SD-424



SD-404

802.3af/802.3at/802.3bt/UPoE
1G/2.5Gbps Modular PoE Surge Protectors

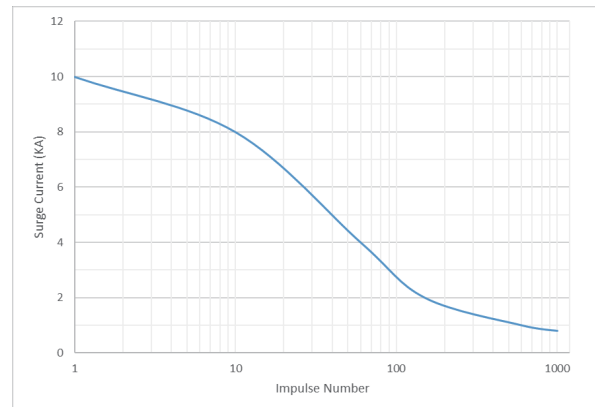


The use of surge protectors to protect sensitive and expensive equipment from lightning strikes and surges on Ethernet cables has become very important. SD-404 and SD-424 are PoE surge protectors with modular-design that keeps PoE switches, PoE PDs and any other IP devices safe from lightning and other forms of electrical interference such as power surges and spikes over networking cables. The replacement module design allows you to swap the modules without removing the entire unit from the din-rail or the rack. These units are fully compatible with 802.3af/802.3at/802.3bt/UPoE standard, providing protection to both Ethernet data and PoE power feed, these include outdoor IP cameras, wireless AP and other networking devices. These harden-graded PoE surge protectors operating between -40°C and 85°C during harsh weather conditions, plug-and-play design defends the surge up to 20KV / 10KA easily.

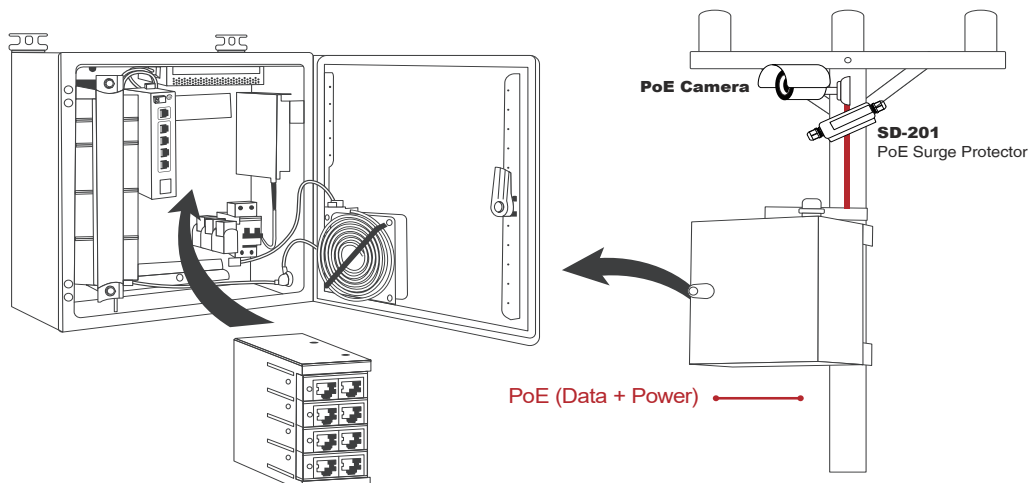
Features

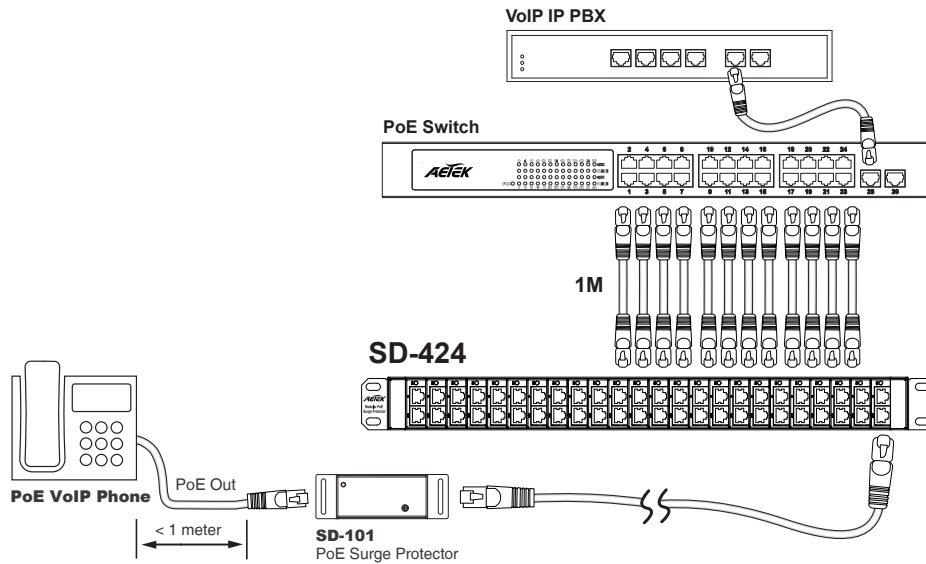
- Slide-in modular design
- Quick swap when life time of single PoE surge module is expired
- Supports 10M/100M/1G/2.5G bps Ethernet
- Supports 802.3af / 802.3at / 802.3bt / UPoE
- Protects eight wires of networking cable including PoE
- Protects up to 20KV / 10KA surge
- Failure LED indicator
- Operating temperature between -40°C to 85 °C

Surge Current vs Impulse Number



Applications







Specifications

| | SD-404 | SD-424 |
|---|---|---|
| Specifications | | |
| PoE Surge Channel | 4 | 24 |
| Pass Through Data Rates | 10M/100M/1G/2.5G bps | 10M/100M/1G/2.5G bps |
| Transmission Media | Cat. 5e,6 UTP/STP | Cat. 5e,6 UTP/STP |
| PoE Support | 802.3af / 802.3at / 802.3bt / UPoE | 802.3af / 802.3at / 802.3bt / UPoE |
| Max Discharge Current (8/20us) | 10KA | 10KA |
| Maximum Operation DC Voltage | 60VDC | 60VDC |
| Maximum Operation DC Current | 1A for 2 pair, 2A for 4 pair, 95W maximum | 1A for 2 pair, 2A for 4 pair, 95W maximum |
| Common Mode Protection Level (10/700us) | 20KV | 20KV |
| Differential Mode Protection Level (10/700us) | 4KV | 4KV |
| Clamping Voltage (Line to GND) | 600V | 600V |
| Clamping Voltage (Line to Line) | 20V | 20V |
| Insertion Loss @ 10MHz/100MHz | 1db | 1db |
| Return Loss @ 10MHz/100MHz | -20db | -20db |
| Response Time | 5ns | 5ns |
| Mechanical Specifications | | |
| Dimension (WxHxD) | 88 x 85 x 44mm | 440 x 85 x 44mm |
| Weight | 0.6KG | 3KG |
| Connectors | RJ45 x 8pcs | RJ45 x 48pcs |
| Environmental Specifications | | |
| Operating Temperature | -40°C~ 85°C (-40°F~ 185°F) | -40°C~ 85°C (-40°F~ 185°F) |
| Storage Temperature | -40°C~ 85°C (-40°F~ 185°F) | -40°C~ 85°C (-40°F~ 185°F) |
| Operating Humidity | 5% ~ 95% non-condensing | 5% ~ 95% non-condensing |
| Certifications | | |
| EMC | CE, FCC, VCCI, C-Tick | CE, FCC, VCCI, C-Tick |
| Surge | ITU-T K.21 IEC-61643-21 IEC-61000-4-5 TIA-968-A (FCC Part68) | ITU-T K.21 IEC-61643-21 IEC-61000-4-5 TIA-968-A (FCC Part68) |

Related Products

| Surge Protectors | | | |
|---|---|--|--|
|  | SD-401-M <ul style="list-style-type: none"> 1ch PoE surge replacement module for SD-404 and SD-424 20KV / 10KA Surge Protector |  | SD-424-C <ul style="list-style-type: none"> 19" 1U 24-CH Chassis |