



How to protect your Wireless Network from Lightning Damage:

While there are many factors involved in determining if lightning will strike a building - including location, time of year, and proximity to other buildings - the threat can be costly. Even if you are in a part of the world where lightning levels are low, or if you are in a building protected by taller buildings around it, a direct lightning strike, or indirect strike, can damage sensitive electronic equipment. Damage from lightning includes expensive downtime, loss of important data, and the potential safety threats due to critical surveillance systems being down. And that doesn't even take into account the expense of replacing blown-out communications equipment.

Lightning indirectly causes earth-voltage spikes and electromagnetic fields, which cause havoc with electronic power and signal circuits. This alone can damage anything connected to the circuits, including coaxial, Ethernet, and telephone lines.

While there is no single method that is certain to protect your electronic communications equipment from a direct strike, there are many cost-effective measures that must be taken to increase the odds of the survival in the event of a direct or indirect lightning strike.

Lightning protectors are an inexpensive way to deter the damaging effects of lightning. GNS Wireless offers a comprehensive line of lightning and surge protectors including:

[Coaxial protectors](#) that use gas-filled tubes to discharge electrical spikes before they can damage radios, and anything attached to an antenna. These are typically installed directly to an outdoor access point, between the antenna, and the access point.

[CAT5/5e/6 and PoE protectors](#) ground out and discharge spikes that can permanently blackout security cameras and equipment. These are installed in line between the outdoor access point and indoor POE injector.

