



PTP Lightning Protection Unit

For Point-to-Point Solutions

The Motorola wi4 Fixed Point-to-Point (PTP) Wireless Ethernet Bridges are robust radios designed to withstand the toughest conditions. Because they are often perched on high towers, sometimes with antennas, they are located in situations that can attract lightning. The Motorola wi4 Fixed PTP Lightning Protection Unit (PTP-LPU) is a device that shields your PTP radio from sudden surges in power induced by electro-magnetic activity before they can harm the unit.* While you can purchase a Motorola PTP Link Guard All Risk Extended Warranty that covers lightning strikes, that warranty covers the cost of replacing only the radio. It is a good idea to start out with lightning protection at initial deployment to avoid the delays and costs associated with taking down damaged devices and installing replacement units.

Improved Design for Greater Protection

The PTP Lightning Protection Unit offers two protection methods – line-to-line and line-to-ground – to ensure that a surge in power is stopped in its tracks. When installed correctly, using solid Shielded CAT5e cable, the PTP-LPU will ground the surge almost instantaneously (within five nanoseconds). With a projected operational life of 10 years, its metal enclosure gives the PTP-LPU rugged body armor against battering from winds up to 150 mph (242 kph), rain, ice and snow.

Easy Mounting, Easy Connections

Easily mounted on a wall or tower with a PTP radio, the PTP-LPU includes a minimum of components. Each PTP radio requires two PTP-LPU devices – one installed on the wall, tower or mast adjacent to the radio and one installed at the cable entrance point leading to the network. Although each unit is housed in a metal enclosure, the PTP-LPU is small and lightweight, making it extremely easy to transport even up the highest towers. The connections are designed for simplicity, requiring no special knowledge or expertise.

* The PTP-LPU is designed for use with all wi4 Fixed PTP radios, except the PTP 100 Series radios. When correctly installed, the Motorola PTP Lightning Protection Unit gives a PTP radio the best protection from the harmful effects of lightning. However, 100% protection is neither implied nor possible.

DATA SHEET

MOTOROLA PTP LIGHTNING PROTECTION UNIT For PTP Solutions

Lightweight Price for Fast ROI

Best of all, the units are very cost effective, making your lightning-protection investment well worth it. Along with the mounting hardware, the PTP-LPU End Kit includes two units, plus the necessary cables (excluding the drop cable and connection to your network equipment) and glands in a single kit.

PTP Lightning Protection Unit mounted on a tower or mast with a PTP radio. Other installation options are provided in the PTP Lightning Protection Unit User Manual.



MOTOWi4™

The PTP Wireless Ethernet Bridges as well as the PTP Lightning Protection Unit are included in Motorola's MOTOWi4 portfolio of innovative wireless broadband solutions that create, complement and complete IP networks. Delivering IP coverage to virtually all spaces, the MOTOWi4 portfolio includes wi4 Fixed, wi4 Mesh, wi4 Indoor and wi4 WiMAX solutions for private and public networks.

Additional Information

For more information on Motorola's PTP Lightning Protection Unit, refer to the PTP-LPU Technical Specifications. For additional information about the PTP radios, refer to the PTP Brochures and Technical Specifications.



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