

# Lightning protection unit

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- AUX-ODU-LPU-L
- AUX-ODU-LPU-G

## AUX-ODU-LPU-L

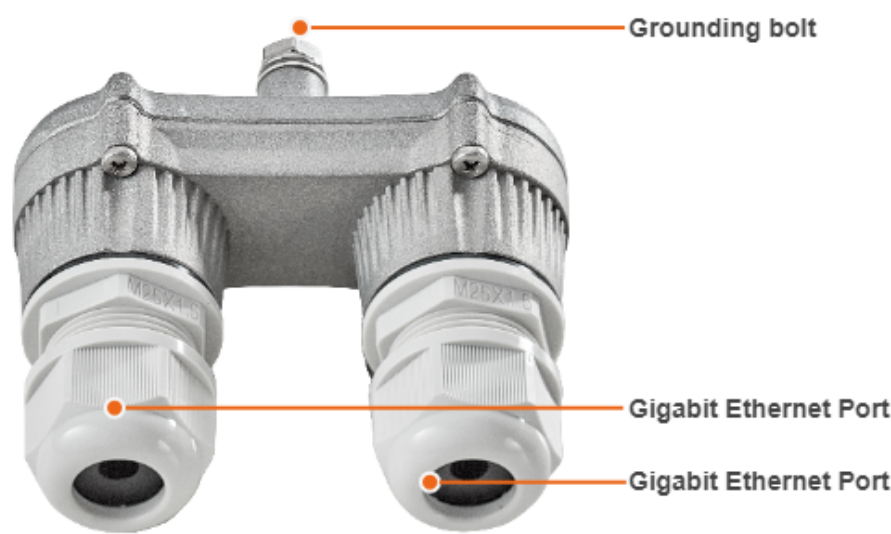


Figure - AUX-ODU-LPU-L

AUX-ODU-LPU-L is a bidirectional external outdoor lightning protection unit for Infinet Wireless systems designed to withstand the toughest conditions and protect the outdoor unit or the 3rd party networking equipment installed indoors from sudden power surges induced by lightning strikes. Despite the fact every Infinet wireless device has a built-in lightning protection. AUX-ODU-LPU-L, thanks to its superior GR-1089-grade protection, greatly reduces the risk of damage for the systems operating in harsh environments or difficult-to-reach locations. AUX-ODU-LPU-L is compatible with all Infinet Wireless devices.

**NOTE**  
The device is not supplied by default and must be ordered separately.

Parameter	Description								
Size and Weight	<ul style="list-style-type: none"><li>45x92x55.5 mm, 0.13 kg</li></ul>								
Connectors and Interfaces	<ul style="list-style-type: none"><li>2 x Ethernet ports</li><li>Ground clamp</li></ul>								
Supported Ethernet Modes	<ul style="list-style-type: none"><li>10/100/1000 Mbps (Gigabit Ethernet pass-through)</li></ul>								
Water and Dust Protection	<ul style="list-style-type: none"><li>IP66 and IP67</li></ul>								
Operating temperature range	<ul style="list-style-type: none"><li>-55 °C ... +60 °C</li></ul>								
Ethernet pinout	Pin	1	2	3	4	5	6	7	8

	Data pair	A+	A-	B+	C-	C+	B-	D+	D-
Lightning Protection	In compliance with: <ul style="list-style-type: none"><li>• GR-1089</li><li>• IEC 61000-4-2 (ESD) 15kV (air), 8kV (contact)</li><li>• IEC 61000-4-4 (EFT) 40A (tp = 5/50ns)</li><li>• IEC 61000-4-5 (Lightning) L5, 95A (tp = 8/20us)</li><li>• ETSI ETS 300 386</li></ul>								

Table - AUX-ODU-LPU-L Specification

Packing list



Figure - Packing list AUX-ODU-LPU-L

AUX-ODU-LPU-L is supplied with a worm clamp TORRO 40-60/9 C7 W4 DIN 3017. The clamp is made of stainless steel A4, width 9 mm, allows the installation on a mast with a diameter of 35 to 60 mm. In case of mast diameter more than 60 mm, a similar clamp (up to a 230 mm diameter) with a width of up to 12-13 mm can be used.

AUX-ODU-LPU-G

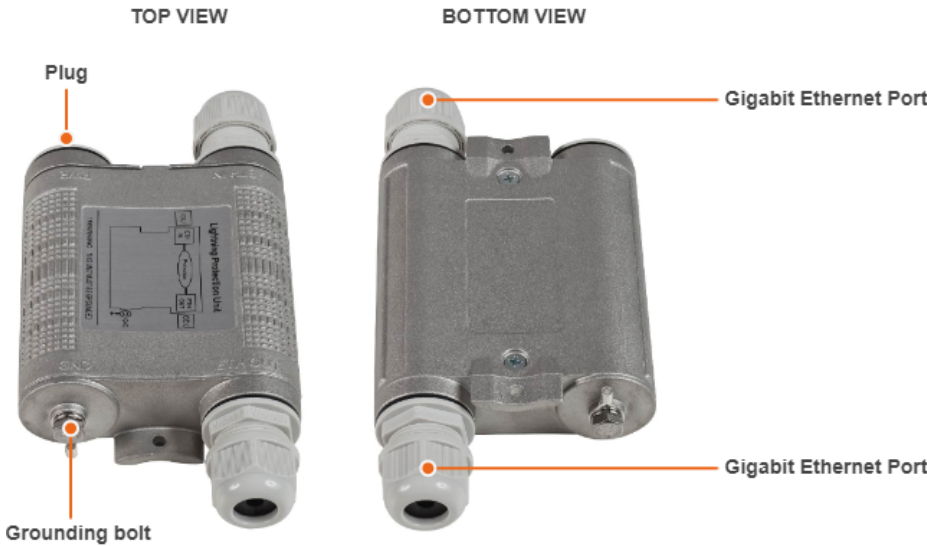


Figure - AUX-ODU-LPU-G

Optional indoor/outdoor Lightning Protection Unit for Infinet Wireless systems designed to withstand the toughest conditions and protect the outdoor or the indoor unit from sudden power surges induced by lightning strikes. It provides the same level of protection as AUX-ODU-INJ-G. AUX-ODU-LPU-G is compatible with all Infinet Wireless devices.

Despite the fact every Infinet Wireless unit has a built-in lightning protection, AUX-ODU-LPU-G, thanks to its superior GR-1089-grade protection, greatly reduces the risk of replacing damaged devices operating in harsh environments or difficult-to-reach locations.



NOTE

The device is not supplied by default and must be ordered separately.

Parameter	Description																		
Size and Weight	<ul style="list-style-type: none"><li>34x94x121 mm, 0.28 kg</li></ul>																		
Connectors and Interfaces	<ul style="list-style-type: none"><li>ETH IN - Ethernet input</li><li>ETH OUT - Ethernet output (protected leg)</li><li>GND - Ground clamp</li></ul>																		
Supported Ethernet Modes	<ul style="list-style-type: none"><li>10/100/1000 Mbps (Gigabit Ethernet pass-through)</li></ul>																		
Water and Dust Protection	<ul style="list-style-type: none"><li>IP66 and IP67</li></ul>																		
Operating temperature range	<ul style="list-style-type: none"><li>-55 °C ... +60 °C</li></ul>																		
ETH IN and ETH OUT pin-out	<table><tr><th>Pin</th><th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th></tr><tr><th>Data pair</th><td>A+</td><td>A-</td><td>B+</td><td>C-</td><td>C+</td><td>B-</td><td>D+</td><td>D-</td></tr></table>	Pin	1	2	3	4	5	6	7	8	Data pair	A+	A-	B+	C-	C+	B-	D+	D-
	Pin	1	2	3	4	5	6	7	8										
Data pair	A+	A-	B+	C-	C+	B-	D+	D-											
Lightning Protection	<p>In compliance with:</p> <ul style="list-style-type: none"><li>GR-1089</li><li>IEC 61000-4-2 (ESD) 15kV (air), 8kV (contact)</li><li>IEC 61000-4-4 (EFT) 40A (tp = 5/50ns)</li><li>IEC 61000-4-5 (Lightning) L5, 95A (tp = 8/20us)</li><li>ETSI ETS 300 386</li></ul>																		

Table - AUX-ODU-LPU-G Specification

Packing list



Figure - Packing list AUX-ODU-LPU-G

AUX-ODU-LPU-G is supplied with a worm clamp TORRO 40-60/9 C7 W4 DIN 3017 - 2 pcs. The clamp is made of stainless steel A4, width 9 mm, allows the installation on a mast with a diameter of 35 to 60 mm. In case of mast diameter more than 60 mm, a similar clamps (up to a 230 mm diameter) with a width of up to 12-13 mm can be used.