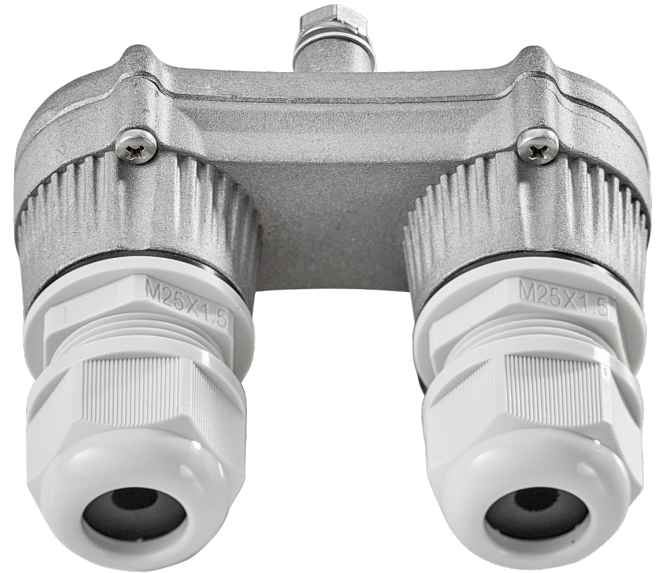# AUX-ODU-LPU-L

AUX-ODU-LPU-L is a bidirectional external outdoor Lightning Protection Unit for Astra 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 Astra wireless device has a built-in lightning protection.
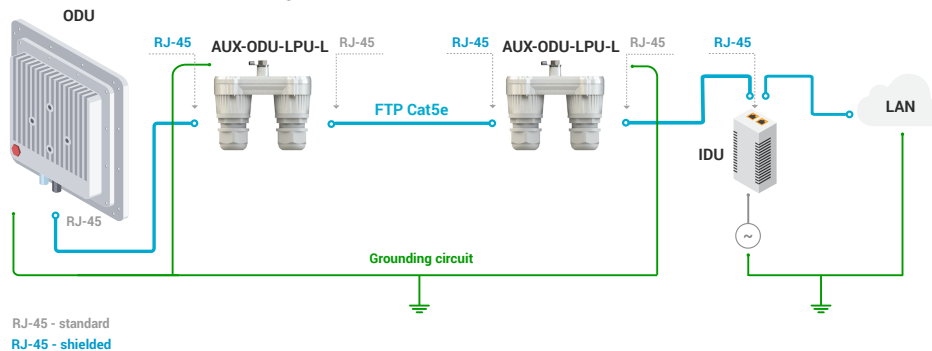
AUX-ODU-LPU-L, thanks to its superior GR-1089-grade protection, greatly reduces the risk of damage for the systems operating in harsh environments or difficult-to-reach locations.

Key Features

- Compatible with all Astra products
- Gigabit Ethernet pass-through
- Designed to protect outdoor and indoor units from abrupt voltage surges
- Water and dust protection: IP66/IP67
- Lightning protection: GR-1089
- Extended temperature range: from -55°C to +60°C

Recommended Installation Layout

Specification

Parameter	Description
Compatible models	Astra Quanta, Astra Evolution
Connectors and Interfaces	• 2x Ethernet ports • Ground clamp
Supported Ethernet Modes	10/100/1000 Mbps (Gigabit Ethernet pass-through)
Max operating voltage DC	150 V
Max frequency	125 MHz
Max linear current	2 A
Protection level C3 line-line	30 V
Pulse current D1 2*10/350us	0.5 … 1 kA
Discharge nominal current line-line C2 8/20	75 A
Discharge nominal current line-ground C2 8/20	10 kA
Water and Dust Protection	IP66 and IP67

ETH IN and ETH OUT pinout	Pin	1	2	3	4	5	6	7	8
	Data pair	A+	A-	B+	C-	C+	B-	D+	D-

Parameter	Description
Compliance	• GR-1089 • IEC 61000-4-2 (ESD) 15kV (air),8kV (contact) • IEC 61000-4-4 (EFT) 40A (tp = 5/50ns) • IEC 61000-4-5 (Lightning) L5, 95A (tp = 8/20us) • ETSI ETS 300 386
Size and Weight	45x92x55.5 mm, 0.13 kg
Operating temperature range	from -55°C to +60°C
Mounting	On mast
Enclosure material	Aluminum alloy
Packing List	• Cable gland (2 pcs.) • Standard RJ-45 connector • Shielded RJ-45 connector • Clamp

Astra Wireless