



## AUX-ODU-INJ-G

**AUX-ODU-INJ-G** is an outdoor DC injector with built-in lightning protection compatible with all InfiNet Wireless outdoor units. It greatly reduces complexity of the deployment in the cases where DC source is available on the rooftop eliminating the need of weather-sealed cabinets and thus reducing both capital expenditures and total cost of ownership. Its built-in lightning protection meets highest industry standards mitigating sudden power surges and serving as a first-line protection to the power supply and the outdoor unit or the network switch/router connected to the radio.

### Key Features

- ▶ Compatible with all InfiNet products
- ▶ Fully rugged design compliant to the highest industry standards
  - GR-1089 for lightning protection allowing reliable operation in the regions with highest lightning activity
  - IP66/IP67 for water/dust protection facilitating extended operational life in coastal or desert areas as well as in the areas with frequent rains, snowfalls, etc.
- ▶ Can be installed both indoors and outdoors
- ▶ Gigabit Ethernet pass-through
- ▶ Rapid and easy deployment

# AUX-ODU-INJ-G

## Specifications



Parameter	Description																																								
Compatible models	InfiLINK XG, InfiLINK XG 1000, InfiLINK 2x2 and InfiMAN 2x2																																								
Connectors and Interfaces	<b>ETH IN</b> – Ethernet Input <b>ETH OUT</b> – Ethernet Output (data+VDC, protected leg) <b>PWR</b> – DC Input <b>GND</b> – Ground clamp																																								
Supported Ethernet Modes	10/100/1000 Mbps (Gigabit Ethernet pass-through)																																								
Water and Dust Protection	IP66 and IP67																																								
DC Range	Acceptable input DC range depends on the specific ODU model: <ul style="list-style-type: none"> <li>• Xm, Um, Mmx, Mmxb, Omx, Omxb models: <math>\pm 43 \dots \pm 56</math> VDC</li> <li>• Smbn, Smn, Lmn models: <math>+9 \dots +56</math> VDC (positive voltage only)</li> </ul>																																								
Ethernet Connectors Pinout	<table border="1"> <thead> <tr> <th colspan="2">ETH IN:</th> <th colspan="2">ETH OUT:</th> </tr> <tr> <th>Pin</th> <th>Description</th> <th>Pin</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Data pair A+</td> <td>1</td> <td>Data pair A+</td> </tr> <tr> <td>2</td> <td>Data pair A-</td> <td>2</td> <td>Data pair A-</td> </tr> <tr> <td>3</td> <td>Data pair B+</td> <td>3</td> <td>Data pair B+</td> </tr> <tr> <td>4</td> <td>Data pair C-</td> <td>4</td> <td>+VDC + Data pair C-</td> </tr> <tr> <td>5</td> <td>Data pair C+</td> <td>5</td> <td>+VDC + Data pair C+</td> </tr> <tr> <td>6</td> <td>Data pair B-</td> <td>6</td> <td>Data pair B-</td> </tr> <tr> <td>7</td> <td>Data pair D+</td> <td>7</td> <td>-VDC + Data pair D+</td> </tr> <tr> <td>8</td> <td>Data pair D-</td> <td>8</td> <td>-VDC + Data pair D-</td> </tr> </tbody> </table>	ETH IN:		ETH OUT:		Pin	Description	Pin	Description	1	Data pair A+	1	Data pair A+	2	Data pair A-	2	Data pair A-	3	Data pair B+	3	Data pair B+	4	Data pair C-	4	+VDC + Data pair C-	5	Data pair C+	5	+VDC + Data pair C+	6	Data pair B-	6	Data pair B-	7	Data pair D+	7	-VDC + Data pair D+	8	Data pair D-	8	-VDC + Data pair D-
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Compliance	<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>																																								
Size and Weight	34x94x121 mm, 0.28 kg																																								
Operating Temperature Range	from -55°C to +60°C																																								

## Connection scheme

