

EtherHaul Power-over-Ethernet Wiring Schemes

Siklu ODUs support few PoE wiring scheme. The actual scheme used is determine by the PoE power supply.

1. Siklu ODUs PoE Wiring Schemes

1.1 EH-1200/EH-1200TL

Standard 802.3at Power over Ethernet devices should be used (minimum 26Watts).

Siklu supports all standard PoE wiring.

Pinout:

Pin	Alternative A	Alternative B	Alternative A'
1	Vport Positive		Vport Negative
2	Vport Positive		Vport Negative
3	Vport Negative		Vport Positive
4		Vport Positive	
5		Vport Positive	
6	Vport Negative		Vport Positive
7		Vport Negative	
8		Vport Negative	

1.2 EH-1200F

A nonstandard power PoE device should be used with minimum power of 50W.

4 pair power feeding should be used to minimize voltage drop and cable heating.

Two pinout configurations are supported:

Pinout:

Pin	Alternative A+B	Alternative A'+B
1	Vport Positive	Vport Negative
2	Vport Positive	Vport Negative
3	Vport Negative	Vport Positive
4	Vport Positive	Vport Positive
5	Vport Positive	Vport Positive
6	Vport Negative	Vport Positive
7	Vport Negative	Vport Negative
8	Vport Negative	Vport Negative

2. Siklu Supported PoE Power Supplies Wiring Schemes

2.1 PD-9001G (AC PoE) – OBSOLETE

30W supports EH-1200/EH-1200TL

Pinout:

Pin	Alternative B
1	
2	
3	
4	Vport Positive
5	Vport Positive
6	
7	Vport Negative
8	Vport Negative

2.2 PD-9001GR (AC PoE)

30W supports EH-1200/EH-1200TL

Pinout:

Pin	Alternative B
1	
2	
3	
4	Vport Positive
5	Vport Positive
6	
7	Vport Negative
8	Vport Negative

2.3 PD-9501G (High Power AC PoE)

60W supports EH1200/EH1200TL and EH-1200F

Pinout:

Pin	Alternative A'+B
1	Vport Negative
2	Vport Negative
3	Vport Positive
4	Vport Positive

5	Vport Positive
6	Vport Positive
7	Vport Negative
8	Vport Negative

2.4 MIT-15G-4856D (DC Poe)

35W supports EH-1200/EH-1200TL

Pinout:

Pin	Alternative B
1	
2	
3	
4	Vport Positive
5	Vport Positive
6	
7	Vport Negative
8	Vport Negative

2.5 MIT-40G (High Power DC PoE)

60W supports EH1200/EH1200TL and EH-1200F

Pinout:

Pin	Alternative A+B
1	Vport Positive
2	Vport Positive
3	Vport Negative
4	Vport Positive
5	Vport Positive
6	Vport Negative
7	Vport Negative
8	Vport Negative