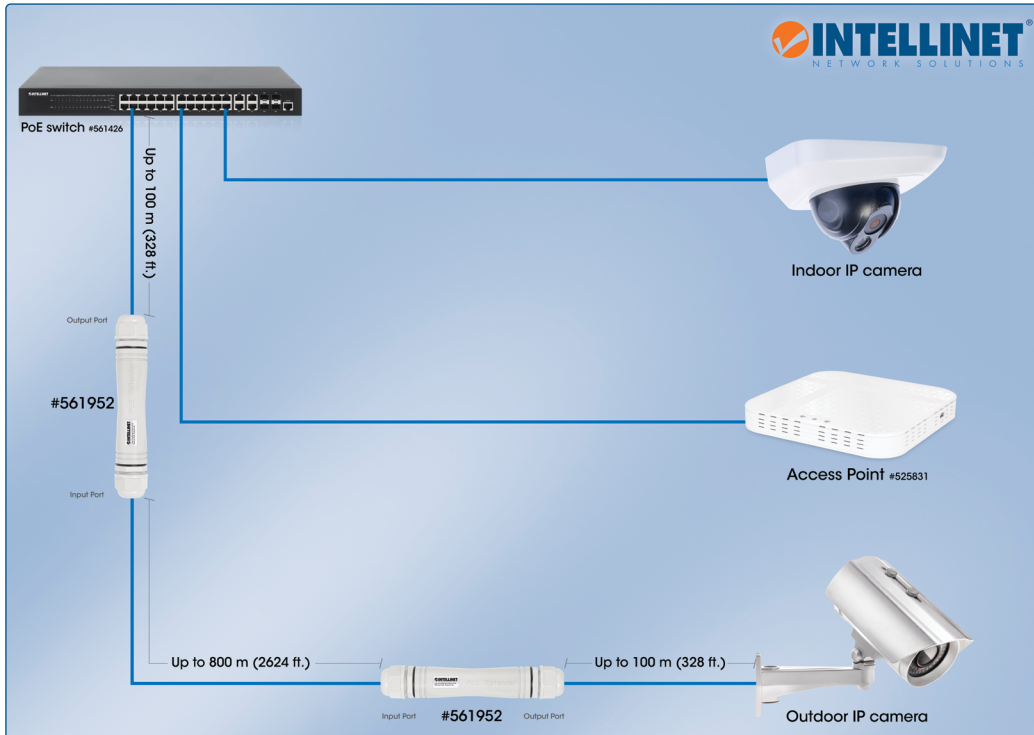


# Ultra Long Range Outdoor Fast Ethernet PoE+ Extender Kit **Power & Data Speeds Chart**

Model 561952 (IPE-ODFE30)

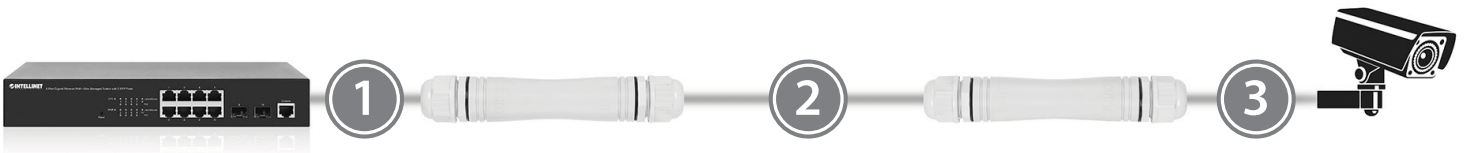


## Sample Setup



## PoE Standard | Maximum Distance | Available Power

The table below shows select information on the power and the data speeds you can expect to be delivered to your PoE device based on the capabilities of your equipment and lengths of cable.



### Series 1: IEEE 802.3af (15.4 W) PSE

1 Cable length between PSE and extender 1	2 Cable length between PoE extenders	3 Cable length between extender 2 and PD	Power (W) at PD	Data Rate
1 m (3 ft.)	100 m (328 ft.)	1 m (3 ft.)	12.76	100 Mbps
1 m (3 ft.)	200 m (656 ft.)	1 m (3 ft.)	12.08	100 Mbps
1 m (3 ft.)	300 m (948 ft.)	1 m (3 ft.)	11.24	100 Mbps
1 m (3 ft.)	400 m (1,312 ft.)	1 m (3 ft.)	10.27	100 Mbps

<b>1</b> Cable length between PSE and extender 1	<b>2</b> Cable length between PoE extenders	<b>3</b> Cable length between extender 2 and PD	Power (W) at PD	Data Rate
1 m (3 ft.)	500 m (1,640 ft.)	1 m (3 ft.)	9.66	100 Mbps
1 m (3 ft.)	600 m (1,968 ft.)	1 m (3 ft.)	9.05	10 Mbps
1 m (3 ft.)	700 m (2,296 ft.)	1 m (3 ft.)	7.47	10 Mbps
1 m (3 ft.)	800 m (2,624 ft.)	1 m (3 ft.)	6.54	10 Mbps
100 m (328 ft.)	100 m (328 ft.)	1 m (3 ft.)	11.51	100 Mbps
100 m (328 ft.)	200 m (656 ft.)	1 m (3 ft.)	10.92	100 Mbps
100 m (328 ft.)	300 m (948 ft.)	1 m (3 ft.)	10.13	100 Mbps
100 m (328 ft.)	400 m (1,312 ft.)	1 m (3 ft.)	9.49	100 Mbps
100 m (328 ft.)	500 m (1,640 ft.)	1 m (3 ft.)	8.45	100 Mbps
100 m (328 ft.)	600 m (1,968 ft.)	1 m (3 ft.)	7.5	10 Mbps
100 m (328 ft.)	700 m (2,296 ft.)	1 m (3 ft.)	6.56	10 Mbps
100 m (328 ft.)	800 m (2,624 ft.)	1 m (3 ft.)	5.21	10 Mbps
1 m (3 ft.)	100 m (328 ft.)	100 m (328 ft.)	11.65	100 Mbps
1 m (3 ft.)	200 m (656 ft.)	100 m (328 ft.)	11.07	100 Mbps
1 m (3 ft.)	300 m (948 ft.)	100 m (328 ft.)	8.92	100 Mbps
1 m (3 ft.)	400 m (1,312 ft.)	100 m (328 ft.)	7.5	100 Mbps
1 m (3 ft.)	500 m (1,640 ft.)	100 m (328 ft.)	6.54	100 Mbps
1 m (3 ft.)	600 m (1,968 ft.)	100 m (328 ft.)	5.62	10 Mbps
1 m (3 ft.)	700 m (2,296 ft.)	100 m (328 ft.)	5.2	10 Mbps
1 m (3 ft.)	800 m (2,624 ft.)	100 m (328 ft.)	4.98	10 Mbps
100 m (328 ft.)	100 m (328 ft.)	100 m (328 ft.)	10.55	100 Mbps
100 m (328 ft.)	200 m (656 ft.)	100 m (328 ft.)	10	100 Mbps
100 m (328 ft.)	300 m (948 ft.)	100 m (328 ft.)	9.28	100 Mbps
100 m (328 ft.)	400 m (1,312 ft.)	100 m (328 ft.)	8.73	100 Mbps
100 m (328 ft.)	500 m (1,640 ft.)	100 m (328 ft.)	7.96	100 Mbps
100 m (328 ft.)	600 m (1,968 ft.)	100 m (328 ft.)	6.93	10 Mbps
100 m (328 ft.)	700 m (2,296 ft.)	100 m (328 ft.)	6.27	10 Mbps
100 m (328 ft.)	800 m (2,624 ft.)	100 m (328 ft.)	4.78	10 Mbps

**Series 2: IEEE 802.3at (30 W) PSE**

<b>1</b> Cable length between PSE and extender 1	<b>2</b> Cable length between PoE extenders	<b>3</b> Cable length between extender 2 and PD	Power (W) at PD	Data Rate
1 m (3 ft.)	100 m (328 ft.)	1 m (3 ft.)	29.38	100 Mbps
1 m (3 ft.)	200 m (656 ft.)	1 m (3 ft.)	27.76	100 Mbps
1 m (3 ft.)	300 m (948 ft.)	1 m (3 ft.)	25.66	100 Mbps
1 m (3 ft.)	400 m (1,312 ft.)	1 m (3 ft.)	23.98	100 Mbps
1 m (3 ft.)	500 m (1,640 ft.)	1 m (3 ft.)	22.1	100 Mbps
1 m (3 ft.)	600 m (1,968 ft.)	1 m (3 ft.)	20.34	100 Mbps
1 m (3 ft.)	700 m (2,296 ft.)	1 m (3 ft.)	17.52	10 Mbps
1 m (3 ft.)	800 m (2,624 ft.)	1 m (3 ft.)	15.2	10 Mbps
100 m (328 ft.)	100 m (328 ft.)	1 m (3 ft.)	27.43	100 Mbps

<b>1</b> Cable length between PSE and extender 1	<b>2</b> Cable length between PoE extenders	<b>3</b> Cable length between extender 2 and PD	Power (W) at PD	Data Rate
100 m (328 ft.)	200 m (656 ft.)	1 m (3 ft.)	25.69	100 Mbps
100 m (328 ft.)	300 m (948 ft.)	1 m (3 ft.)	23.71	100 Mbps
100 m (328 ft.)	400 m (1,312 ft.)	1 m (3 ft.)	21.53	100 Mbps
100 m (328 ft.)	500 m (1,640 ft.)	1 m (3 ft.)	19.87	100 Mbps
100 m (328 ft.)	600 m (1,968 ft.)	1 m (3 ft.)	17.05	100 Mbps
100 m (328 ft.)	700 m (2,296 ft.)	1 m (3 ft.)	15.27	10 Mbps
100 m (328 ft.)	800 m (2,624 ft.)	1 m (3 ft.)	13.41	10 Mbps
1 m (3 ft.)	100 m (328 ft.)	100 m (328 ft.)	27.21	100 Mbps
1 m (3 ft.)	200 m (656 ft.)	100 m (328 ft.)	25.55	100 Mbps
1 m (3 ft.)	300 m (948 ft.)	100 m (328 ft.)	23.57	100 Mbps
1 m (3 ft.)	400 m (1,312 ft.)	100 m (328 ft.)	22.1	100 Mbps
1 m (3 ft.)	500 m (1,640 ft.)	100 m (328 ft.)	20.21	100 Mbps
1 m (3 ft.)	600 m (1,968 ft.)	100 m (328 ft.)	17.36	100 Mbps
1 m (3 ft.)	700 m (2,296 ft.)	100 m (328 ft.)	15.37	10 Mbps
1 m (3 ft.)	800 m (2,624 ft.)	100 m (328 ft.)	13.48	10 Mbps
100 m (328 ft.)	100 m (328 ft.)	100 m (328 ft.)	26.05	100 Mbps
100 m (328 ft.)	200 m (656 ft.)	100 m (328 ft.)	24.12	100 Mbps
100 m (328 ft.)	300 m (948 ft.)	100 m (328 ft.)	21.8	100 Mbps
100 m (328 ft.)	400 m (1,312 ft.)	100 m (328 ft.)	18.6	100 Mbps
100 m (328 ft.)	500 m (1,640 ft.)	100 m (328 ft.)	17.11	100 Mbps
100 m (328 ft.)	600 m (1,968 ft.)	100 m (328 ft.)	15.13	10 Mbps
100 m (328 ft.)	700 m (2,296 ft.)	100 m (328 ft.)	13.55	10 Mbps
100 m (328 ft.)	800 m (2,624 ft.)	100 m (328 ft.)	12.19	10 Mbps

**Series 3: IEEE 802.3bt (60 / 90 W) PSE**

<b>PSE</b>	<b>1</b> Cable length between PSE and extender 1	<b>2</b> Cable length between PoE extenders	<b>3</b> Cable length between extender 2 and PD	Power (W) at PD	Data Rate
60 W	1 m (3 ft.)	100 m (328 ft.)	1 m (3 ft.)	43.83	100 Mbps
90 W	1 m (3 ft.)	200 m (656 ft.)	1 m (3 ft.)	76.61	100 Mbps

- The values above are based on tests that were conducted using Cat5e UTP network cabling.
- Utilizing better quality cable (i.e., Cat6 SFTP or better) will yield better results.
- The actual figures also depend on the operating conditions of any given time.

For specifications, visit [support.intellinet-network.com/barcode/561952](http://support.intellinet-network.com/barcode/561952).