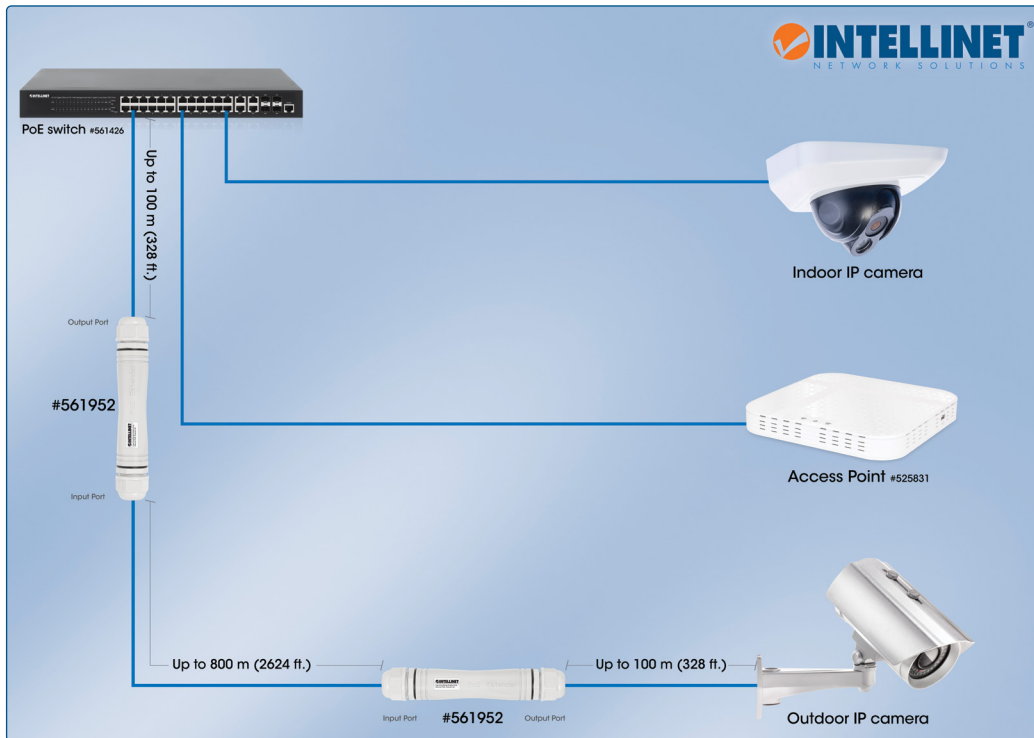


# Ultra Long Range Outdoor Fast Ethernet PoE+ Extender Kit **Power & Data Speeds Chart (approx.)**

Model 561952 (IPE-ODFE30)

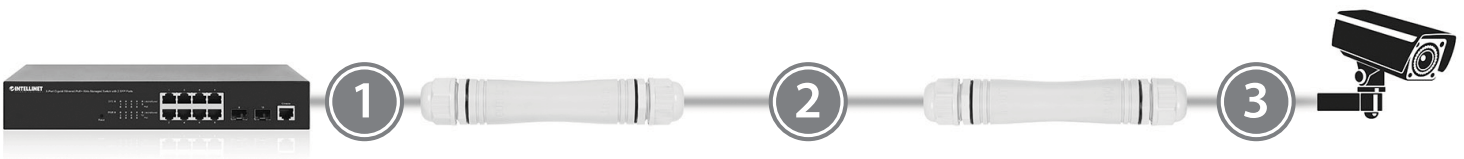


## Sample Setup



## PoE Standard | Maximum Distance | Available Power

The following tables provide the approximate power and data speeds your PoE device could receive based on your equipment's capabilities and cable lengths. The values are based on tests that used Cat6a SFTP network cabling. The actual figures also depend on the operating conditions at any given time.





### 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.)	12.56	100 Mbps
1 m (3 ft.)	305 m (1000 ft.)	1 m (3 ft.)	11.44	100 Mbps
1 m (3 ft.)	800 m (2,624 ft.)	1 m (3 ft.)	8.80	10 Mbps
100 m (328 ft.)	100 m (328 ft.)	1 m (3 ft.)	11.94	100 Mbps
100 m (328 ft.)	305 m (1000 ft.)	1 m (3 ft.)	10.84	100 Mbps
100 m (328 ft.)	800 m (2,624 ft.)	1 m (3 ft.)	7.70	10 Mbps
1 m (3 ft.)	100 m (328 ft.)	100 m (328 ft.)	11.95	100 Mbps
1 m (3 ft.)	305 m (1000 ft.)	100 m (328 ft.)	10.91	100 Mbps
1 m (3 ft.)	800 m (2,624 ft.)	100 m (328 ft.)	8.00	10 Mbps
100 m (328 ft.)	100 m (328 ft.)	100 m (328 ft.)	11.43	100 Mbps
100 m (328 ft.)	305 m (1000 ft.)	100 m (328 ft.)	10.36	100 Mbps
100 m (328 ft.)	800 m (2,624 ft.)	100 m (328 ft.)	7.73	10 Mbps

### Series 2: IEEE 802.3at (30 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.)	25.46	100 Mbps
1 m (3 ft.)	305 m (1000 ft.)	1 m (3 ft.)	23.56	100 Mbps
1 m (3 ft.)	800 m (2,624 ft.)	1 m (3 ft.)	9.00	10 Mbps
100 m (328 ft.)	100 m (328 ft.)	1 m (3 ft.)	24.52	100 Mbps
100 m (328 ft.)	305 m (1000 ft.)	1 m (3 ft.)	22.39	100 Mbps
100 m (328 ft.)	800 m (2,624 ft.)	1 m (3 ft.)	7.90	10 Mbps
1 m (3 ft.)	100 m (328 ft.)	100 m (328 ft.)	24.50	100 Mbps
1 m (3 ft.)	305 m (1000 ft.)	100 m (328 ft.)	22.43	100 Mbps
1 m (3 ft.)	800 m (2,624 ft.)	100 m (328 ft.)	8.30	10 Mbps
100 m (328 ft.)	100 m (328 ft.)	100 m (328 ft.)	23.48	100 Mbps
100 m (328 ft.)	305 m (1000 ft.)	100 m (328 ft.)	21.42	100 Mbps
100 m (328 ft.)	800 m (2,624 ft.)	100 m (328 ft.)	7.30	10 Mbps



### Series 3: IEEE 802.3bt (60 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.)	49.73	100 Mbps
1 m (3 ft.)	305 m (1000 ft.)	1 m (3 ft.)	41.12	100 Mbps
1 m (3 ft.)	800 m (2,624 ft.)	1 m (3 ft.)	18.40	10 Mbps
100 m (328 ft.)	100 m (328 ft.)	1 m (3 ft.)	45.50	100 Mbps
100 m (328 ft.)	305 m (1000 ft.)	1 m (3 ft.)	34.80	100 Mbps
100 m (328 ft.)	800 m (2,624 ft.)	1 m (3 ft.)	16.40	10 Mbps
1 m (3 ft.)	100 m (328 ft.)	100 m (328 ft.)	45.62	100 Mbps
1 m (3 ft.)	305 m (1000 ft.)	100 m (328 ft.)	34.80	100 Mbps
1 m (3 ft.)	800 m (2,624 ft.)	100 m (328 ft.)	16.40	10 Mbps
100 m (328 ft.)	100 m (328 ft.)	100 m (328 ft.)	41.35	100 Mbps
100 m (328 ft.)	305 m (1000 ft.)	100 m (328 ft.)	28.80	100 Mbps
100 m (328 ft.)	800 m (2,624 ft.)	100 m (328 ft.)	14.60	10 Mbps

### Series 4: IEEE 802.3bt (90 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.)	70.09	100 Mbps
1 m (3 ft.)	305 m (1000 ft.)	1 m (3 ft.)	38.20	100 Mbps
1 m (3 ft.)	800 m (2,624 ft.)	1 m (3 ft.)	18.70	10 Mbps
100 m (328 ft.)	100 m (328 ft.)	1 m (3 ft.)	60.73	100 Mbps
100 m (328 ft.)	305 m (1000 ft.)	1 m (3 ft.)	35.00	100 Mbps
100 m (328 ft.)	800 m (2,624 ft.)	1 m (3 ft.)	16.60	10 Mbps
1 m (3 ft.)	100 m (328 ft.)	100 m (328 ft.)	60.87	100 Mbps
1 m (3 ft.)	305 m (1000 ft.)	100 m (328 ft.)	35.20	100 Mbps
1 m (3 ft.)	800 m (2,624 ft.)	100 m (328 ft.)	16.90	10 Mbps
100 m (328 ft.)	100 m (328 ft.)	100 m (328 ft.)	46.40	100 Mbps
100 m (328 ft.)	305 m (1000 ft.)	100 m (328 ft.)	28.80	100 Mbps
100 m (328 ft.)	800 m (2,624 ft.)	100 m (328 ft.)	15.10	10 Mbps

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

