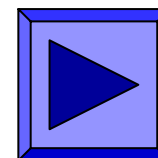




## Helping you find your way in the Wireless World



## Wi-Fi ANTENNA-KIT SELECTION



EE200904HC001  
Date: 2009 / 04 / 23

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# Click on the Indoor or Outdoor Icon to choose Application

 <p><b>Point to Multi-Point Mainly Indoor Application</b></p>			 <p><b>Point to Point; Point to Multi-point Outdoor Antenna Application</b></p>				
 <p>ANT24-0602K</p>			 <p>ANT24-0800N</p>		 <p>ANT24-1000</p>		
 <p>ANT24-0602</p>			 <p>ANT24-1202PC</p>		 <p>ANT24-1400N</p>		
			 <p>ANT24-1800</p>		 <p>ANT24-1900G</p>		
 <p>Indoor Direct link to AP/Router Cable</p>			 <p>Outdoor Low-loss cable</p>		 <p>Outdoor Surge Protection KIT</p>		
<p>LMR200-03 (3 meter)</p>		<p>LMR200-06 (6 meter)</p>	<p>LMR400-06 (6 meter)</p>		<p>LMR400-09 (9meter)</p>	<p>OSP</p>	

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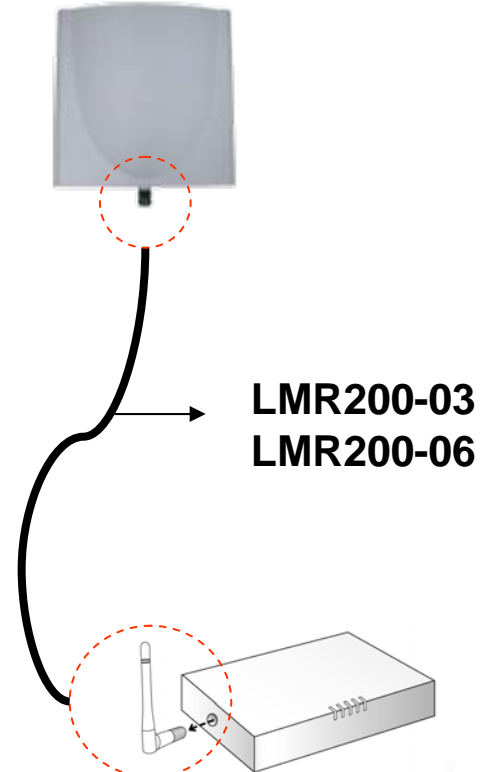
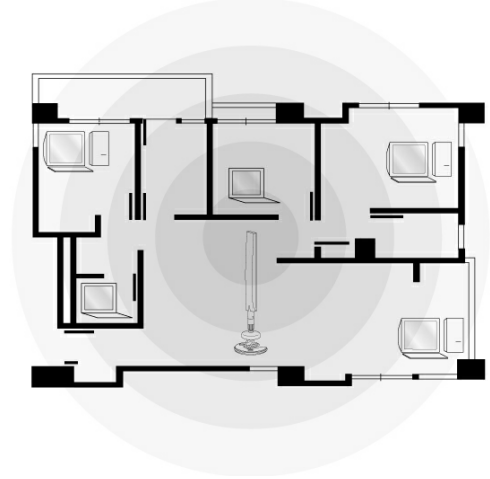
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Product concept							
Model name	<b>ANT24-0602K</b>	<b>ANT24-0602</b>	<b>ANT24-1000</b>	<b>ANT24-1400N</b>	<b>ANT24-1900G</b>	<b>ANT24-0800N</b>	<b>ANT24-1202PC</b>
Gain (dBi)	6 11b/g	6 11b/g	10dBi 11b/g	14dBi 11b/g	19dBi 11b/g	8dBi 11b/g	12dBi 11b/g
Connector	REVERSE SMA PLUG	REVERSE SMA PLUG	N-TYPE FEMALE	N-TYPE FEMALE	N-TYPE FEMALE	N-TYPE FEMALE	N-TYPE FEMALE
Pigtail	1M	1M	Optional	Optional	Optional	Optional	Optional
Remark	NA	NA	NA	NA	Optional Outdoor accessory	Optional Outdoor accessory	Optional Outdoor accessory



## Indoor **DIRECT LINK** installation kit contains LMR200 cables

Model name	LMR200-03	LMR200-06
Connector interface	N-Type Male to Reverse SMA female	N-Type Male to Reverse SMA female
Length (meter)	3	6
Total cable loss (dB)	2.0	4.0
Actual antenna gain after connecting this cable (if antenna is 8dBi)	$8 - 2.0 = 6.0$	$8 - 4.0 = 4.0$
Remark	Direct link to AP/Router, mostly for indoor installation usage	



**LMR200-03**  
**LMR200-06**

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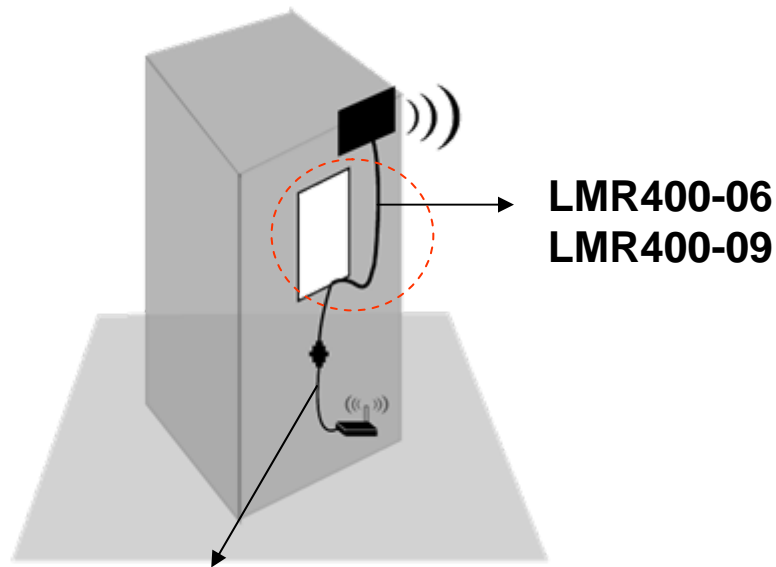
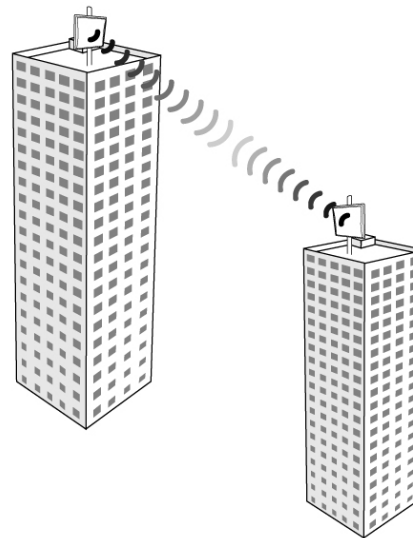
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# OUTDOOR ultra low-loss cable KIT

## Contains 1PCS low loss cable

Model name	LMR400-06	LMR400-09
Connector interface	N-Type Male to N-Type Female	N-Type Male to N-Type Female
Length (meter)	6	9
Total cable loss (dB)	1.72	2.5
Actual antenna gain after connecting this cable (if antenna is 14dBi)	$14 - 1.72 = 12.28$	$12 - 2.5 = 9.5$
Remark	This LMR400 low loss cable kit should go with surge Protection kit to connect AP/Router	



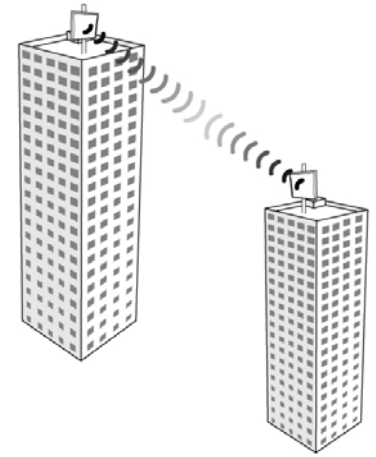
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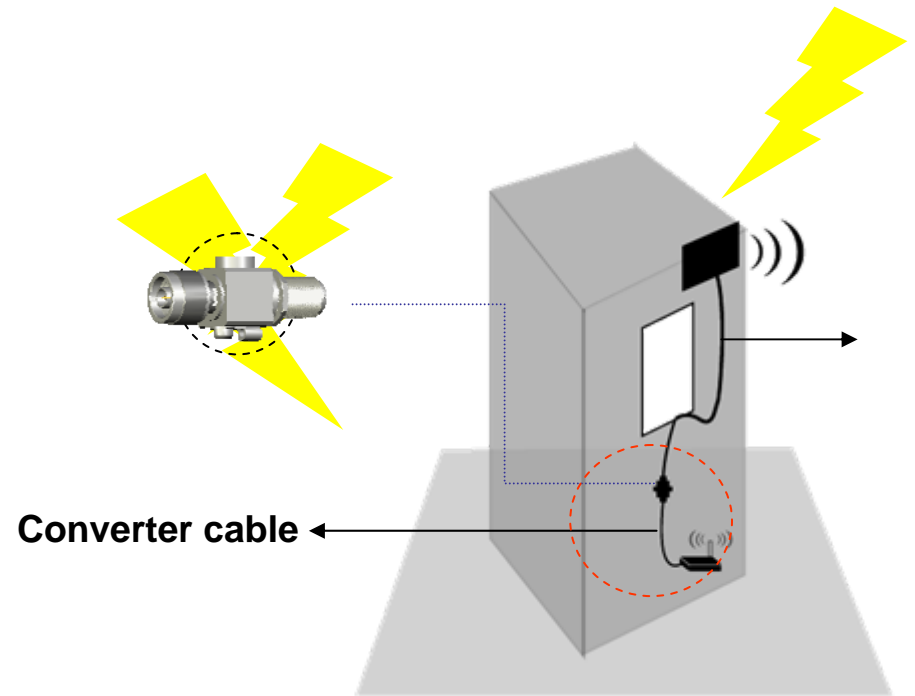
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# OUTDOOR surge protection KIT contents a specific converter cable + surge protector



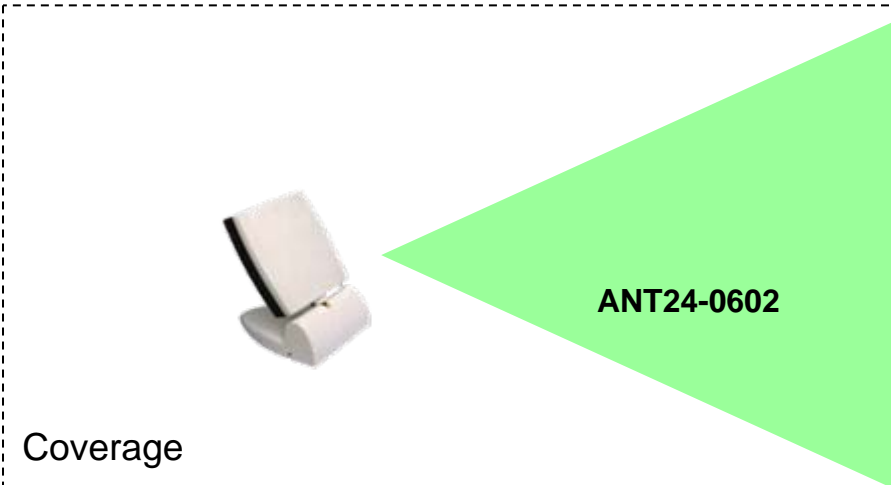
P/N	<b>SURGE PROTECTION KIT</b>
Converter	N-Type Male to Reverse SMA female
Length	50cm
Surge protector	N-Type Male to N-Type Female
Remark	COMPATIBLE WITH MOST BRANDS



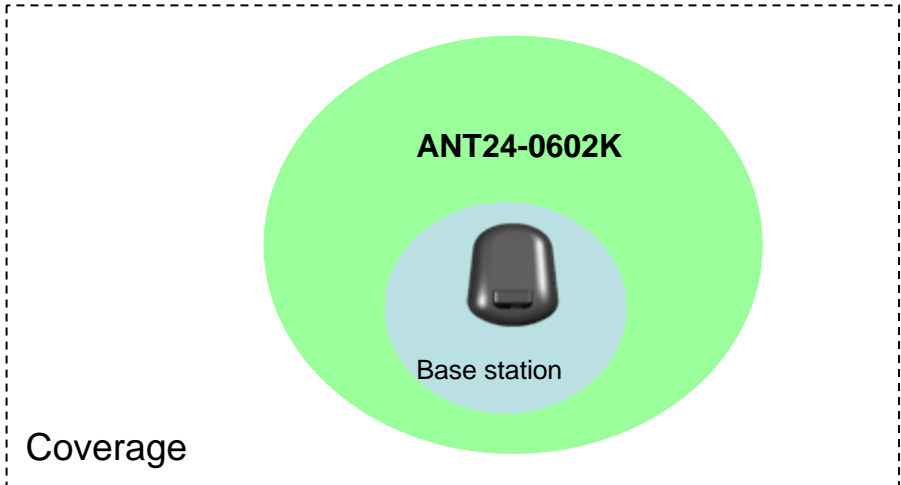
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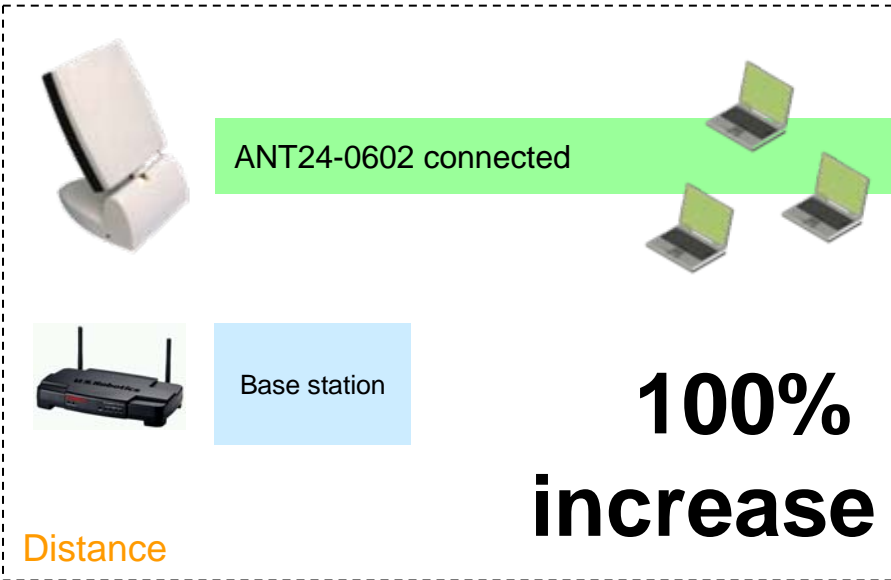
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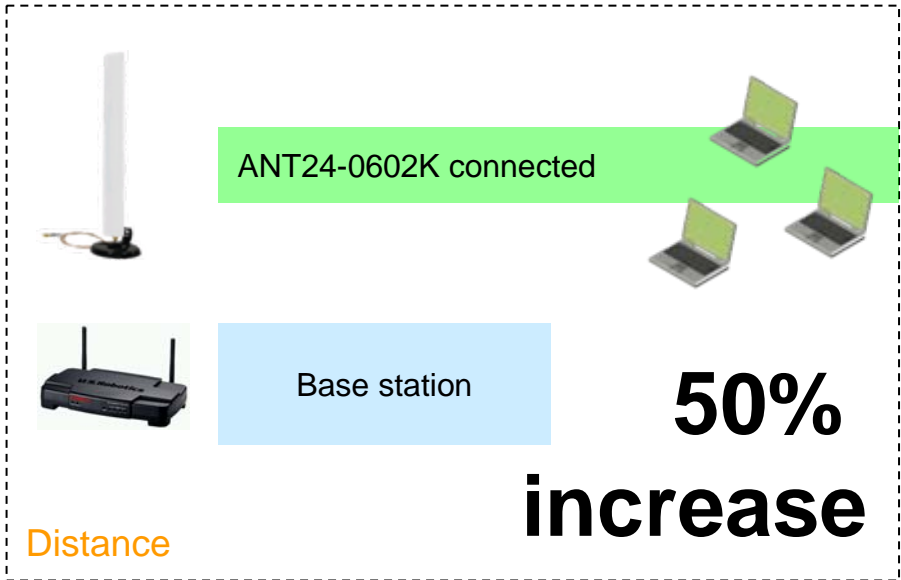
Coverage



Coverage



Distance



Distance

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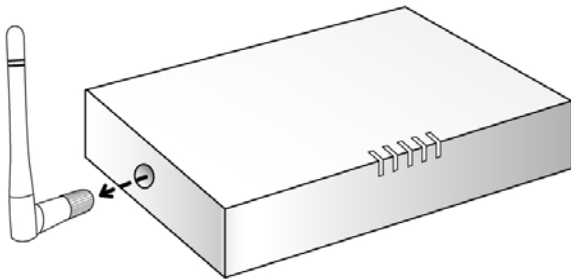
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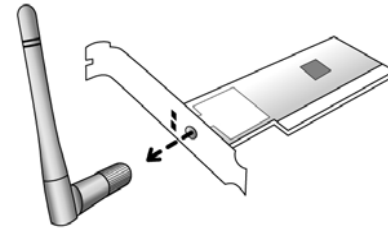


## Is the antenna for a Wireless Access Point / Router or PCI / IP Camera / Wireless Client Device?

Wireless AP / Router



PCI Wireless Client



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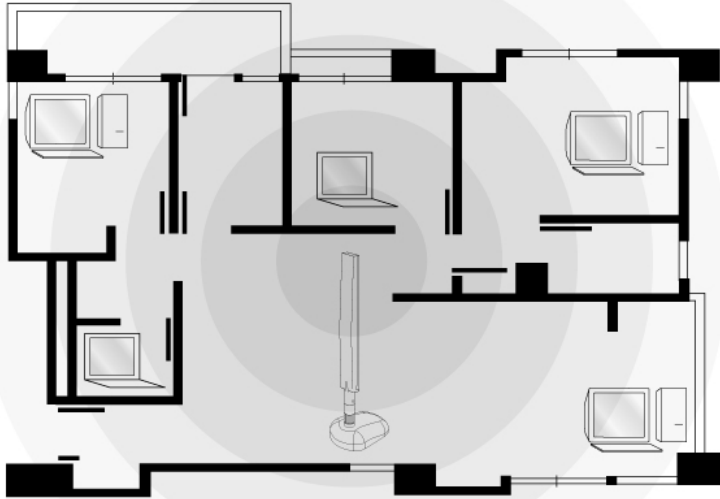
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## Is your AP/Router located in the center or corner of the covered area?

Wireless AP/Router at the CENTER of the room



Wireless AP/Router in the CORNER of the room

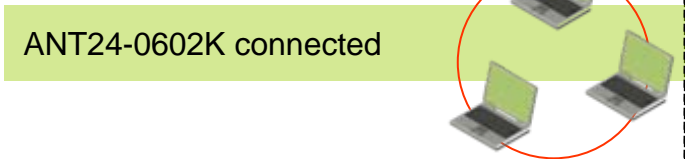
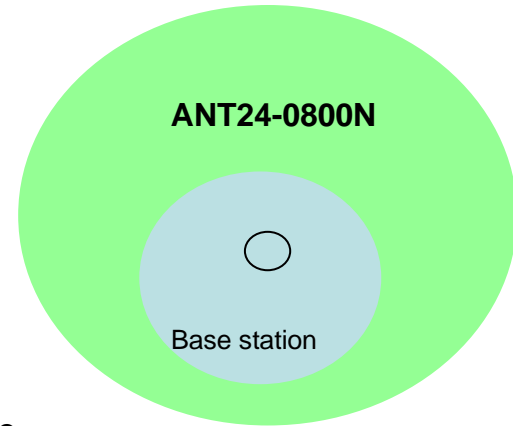
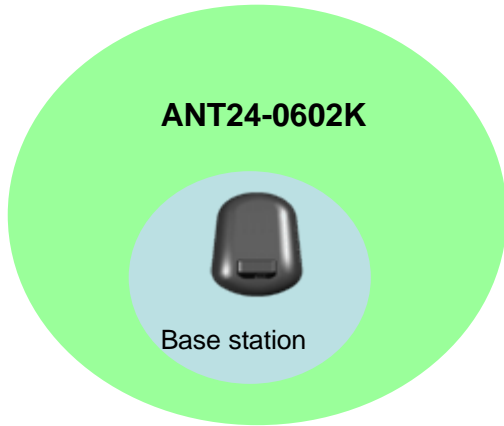


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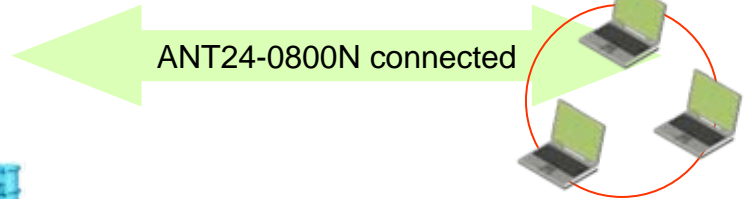
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Base station

**50%  
increase**




Base station




**150%  
increase**



You may choose a combination of Indoor Omni Antennae and Indoor Cable to meet your Effective Target Range and Wireless Mode requirements:



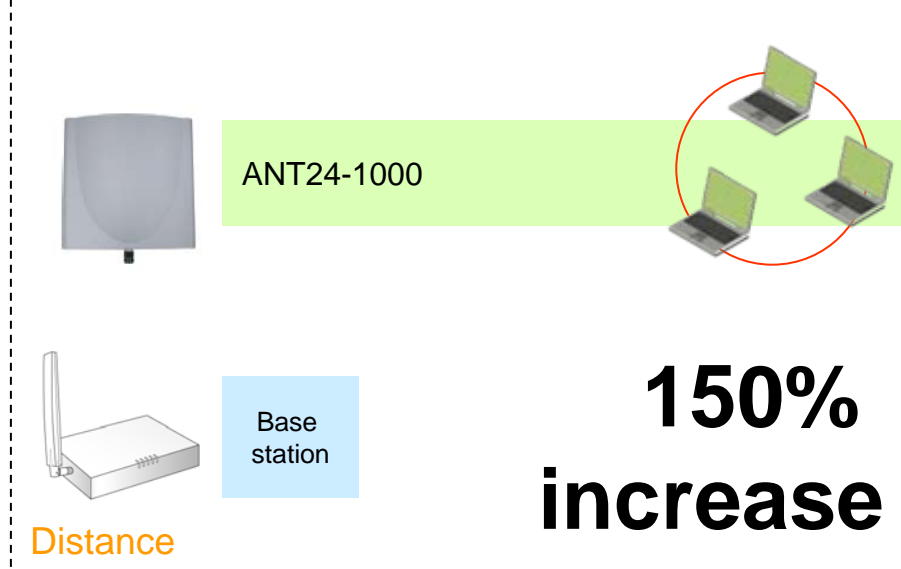
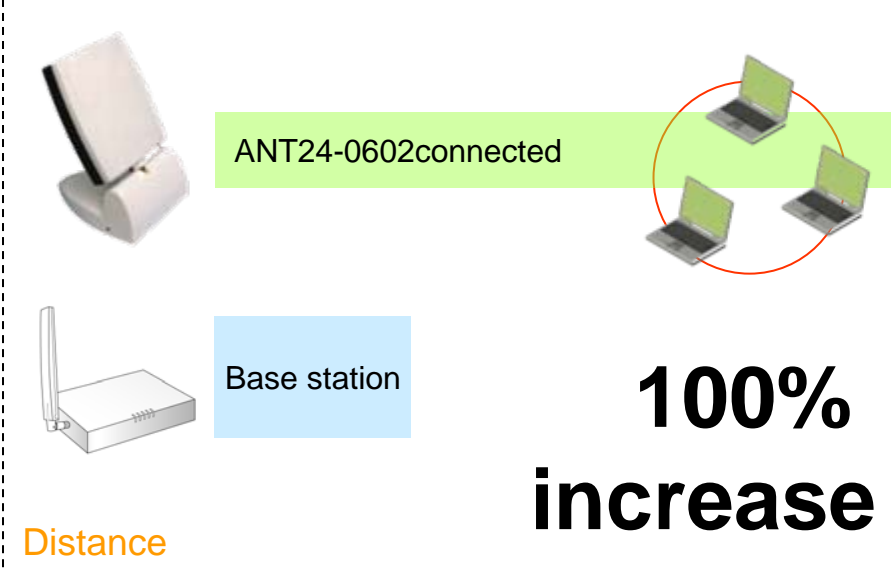
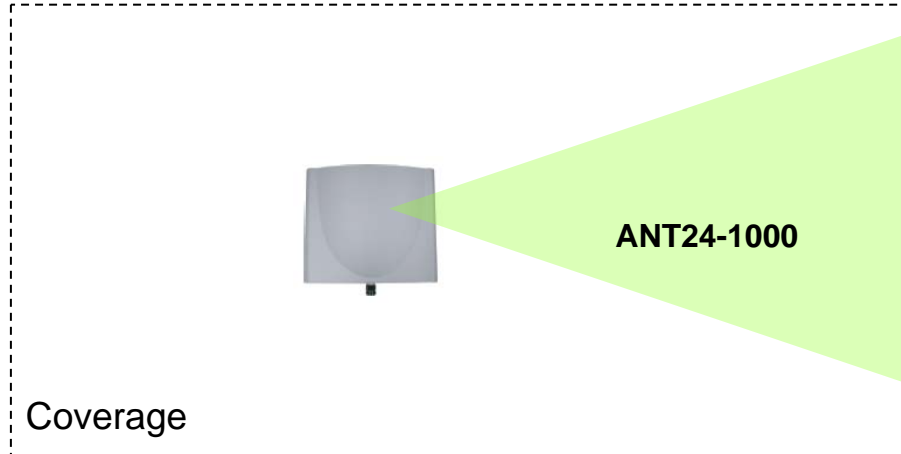
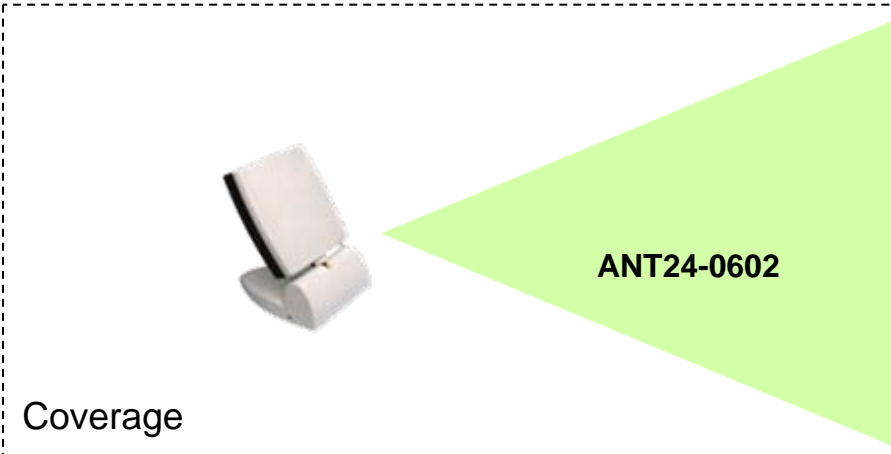
 ANT24-0602K	Antenna Cable	Effective Range	Wireless Mode
	Attached (1meter)	<b>100M (.06 Miles)</b>	802.11 b/g 2.4~2.5GHz

 ANT24-0800N	Antenna Cable	Effective Range	Wireless Mode
	LMR200-03 (LMR200, 3M) 	<b>300M (.18 Miles)</b>	802.11 b/g 2.4~2.5GHz
	LMR200-06 (LMR200, 6M) 	<b>200M (.12 Miles)</b>	802.11 b/g 2.4~2.5GHz

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You may choose a combination of Indoor Directional Antennae and Indoor Cable to meet your Effective Target Range and Wireless Mode requirements:

 ANT24-0602	Antenna Cable	Effective Range	Wireless Mode
	Attached (1meter)	<b>150M (.09Miles)</b>	802.11 b/g 2.4~2.5GHz
 ANT24-1000	Antenna Cable	Effective Range	Wireless Mode
	LMR200-03 (LMR200, 3M) 	<b>300M (.18 Miles)</b>	802.11 b/g 2.4~2.5GHz
	LMR200-06 (LMR200, 6M) 	<b>200M (.124 Miles)</b>	802.11 b/g 2.4~2.5GHz

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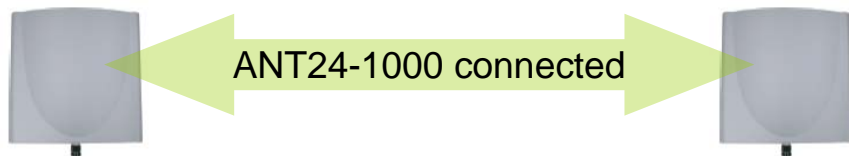
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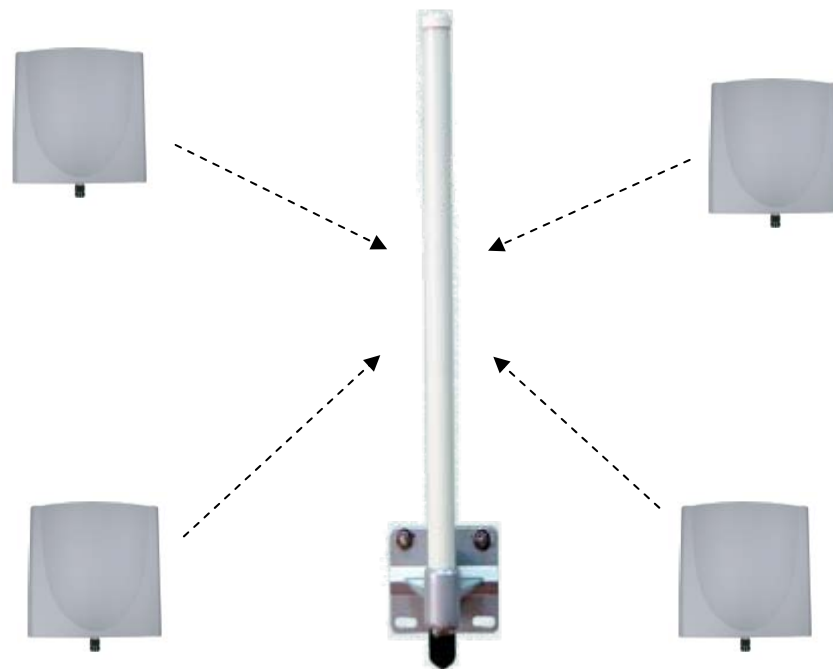


## Is the antenna for a Point to Point (P2P / Bridge) or Point to Multi-Point (P2MP / Access Point) Application?

P2P Bridge (Directional)



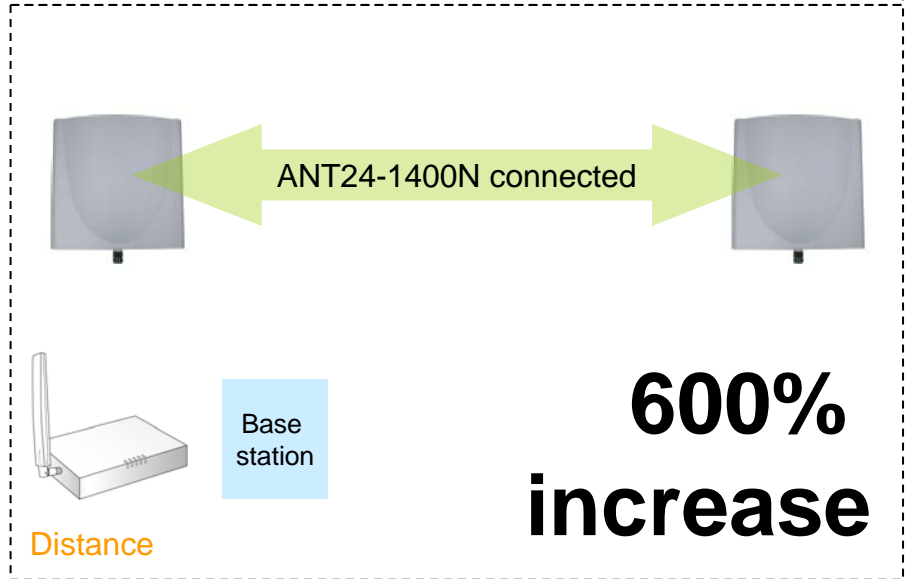
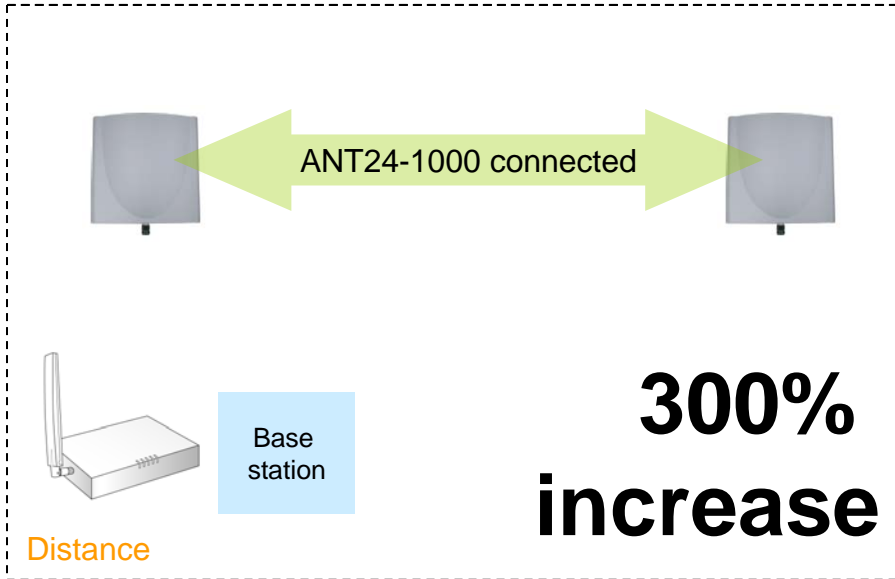
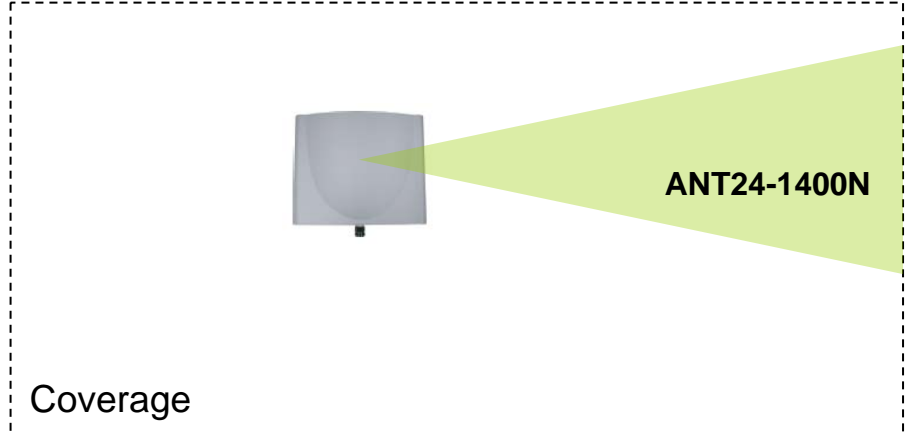
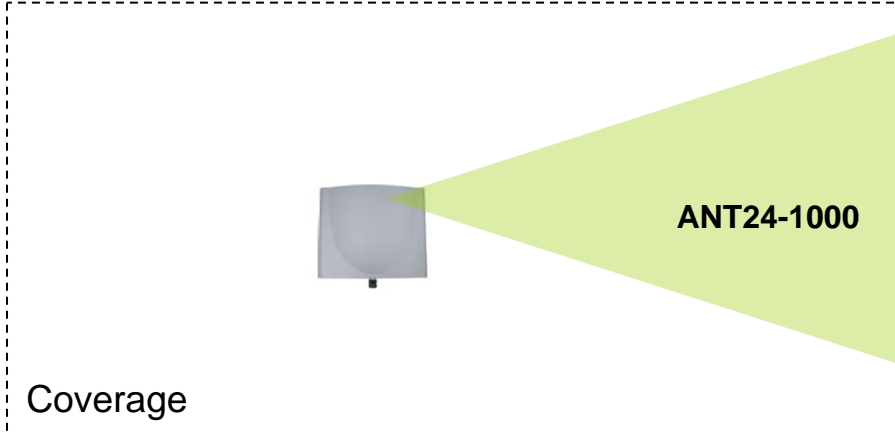
P2MP Access Point (Omni)

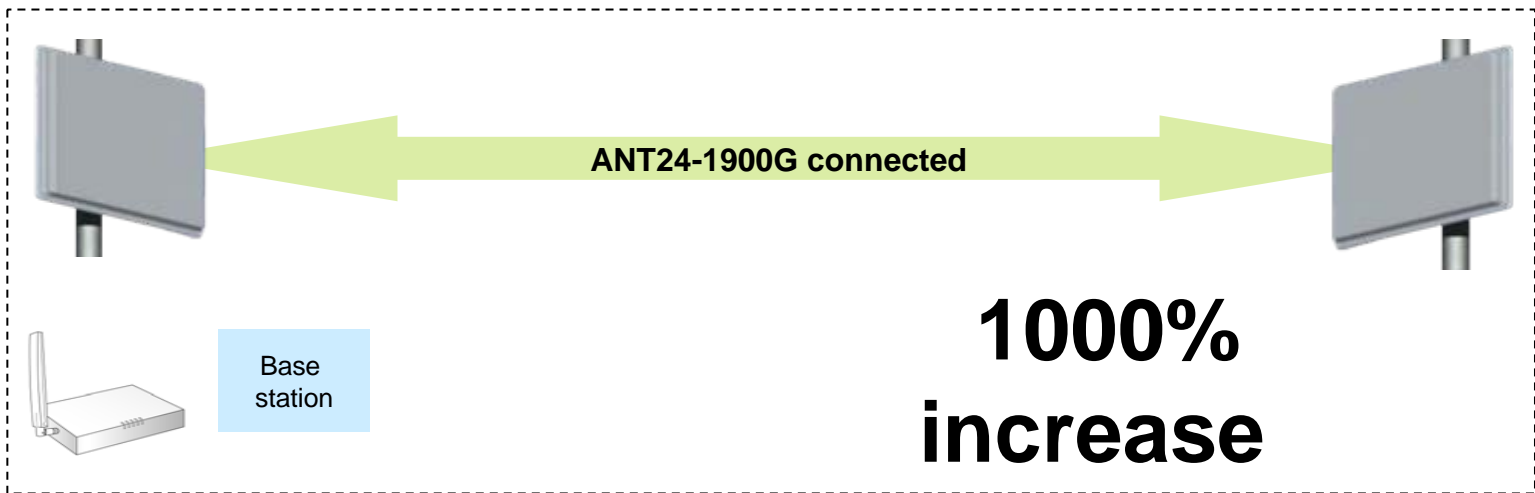
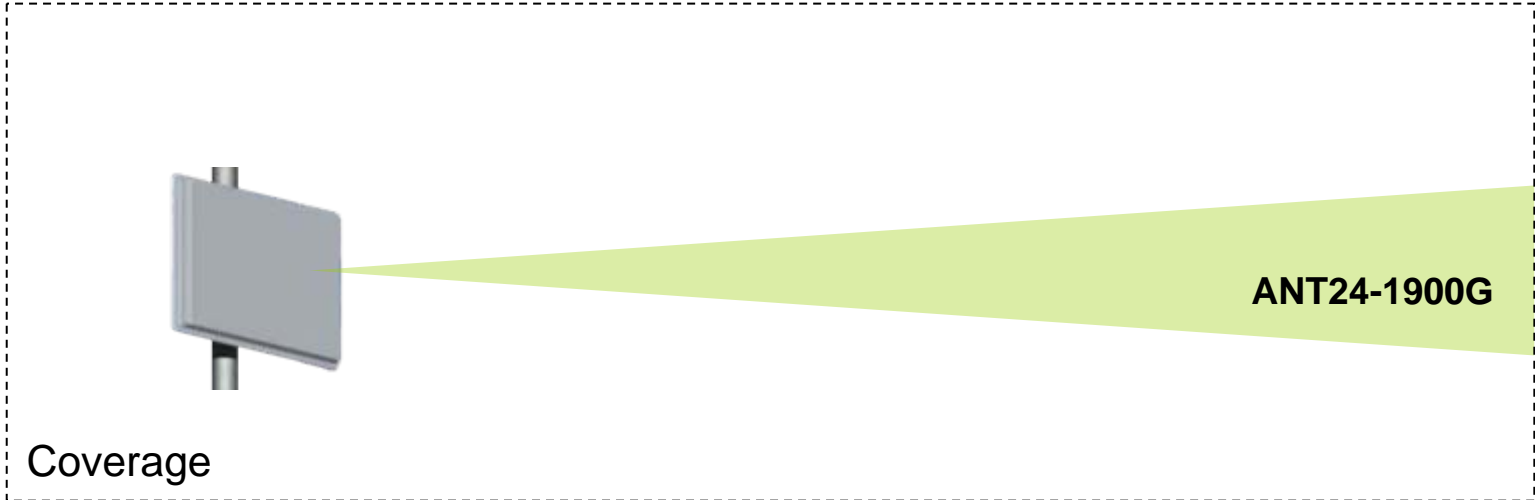


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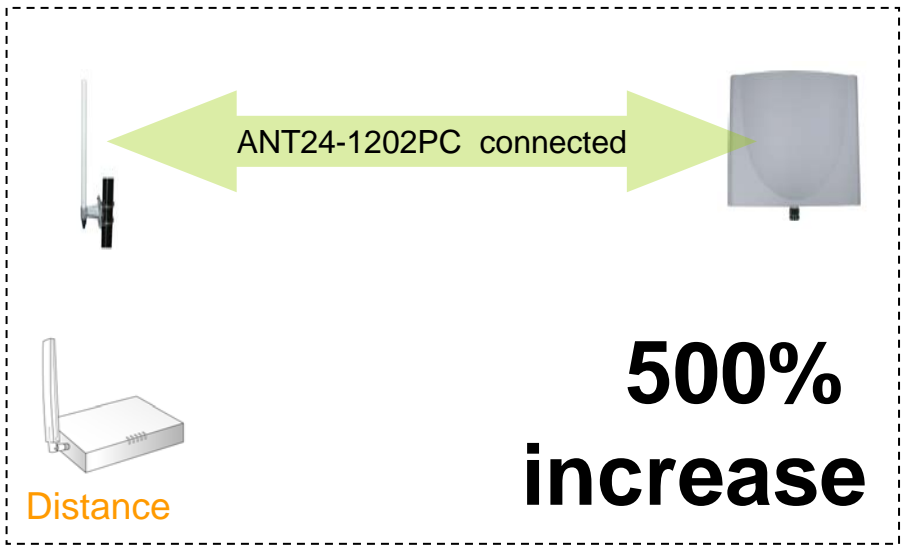
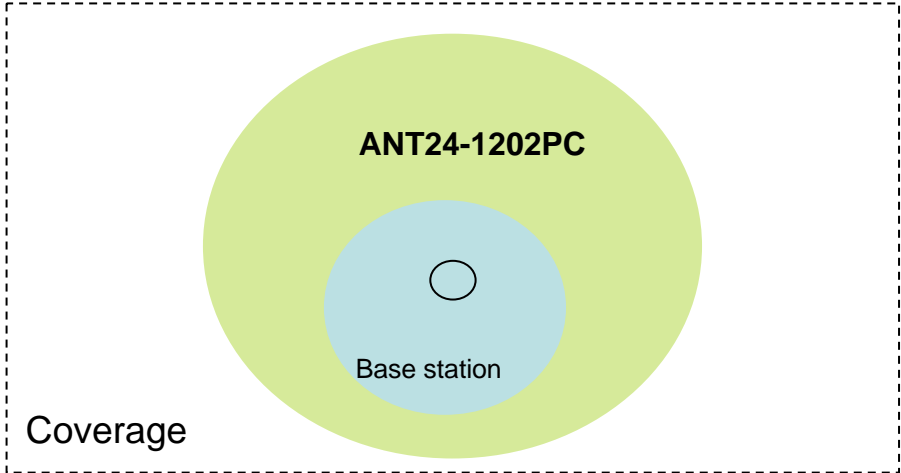
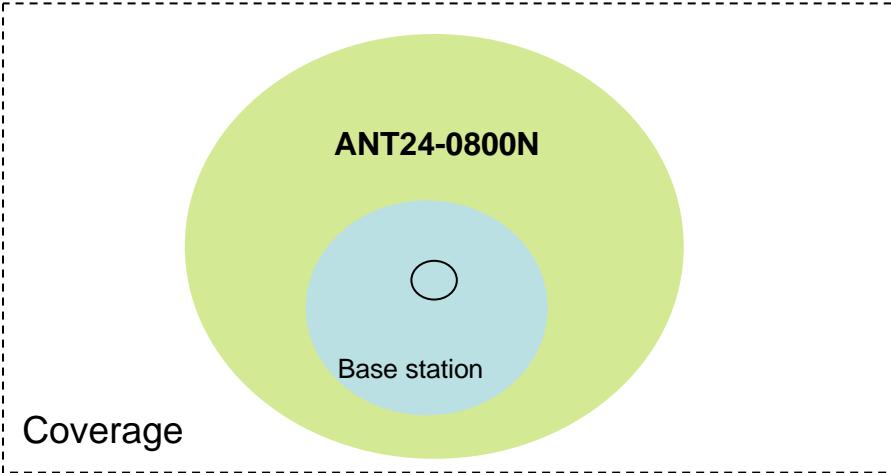
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In addition to Surge Arrestor protection kit, you may choose a combination of Directional Antennae and Outdoor Cable to meet your Effective Target Range

Antenna	Protection Kit	Antenna Cable	Effective Range	Wireless Mode
ANT24-0800N 	Surge protection kit Surge Arrestor  Converter 	LMR400-06	<b>800M (.5 Miles)</b>	11b/g 2.4~2.5GHz
ANT24-1400N 	Surge protection kit Surge Arrestor  Converter 	LMR400-09	<b>400M (.25 Miles)</b>	11b/g 2.4~2.5GHz
ANT24-1900G 	Surge protection kit Surge Arrestor  Converter 	LMR400-06	<b>1200M (.75 Miles)</b>	11b/g 2.4~2.5GHz
		LMR400-09	<b>800M (.5 Miles)</b>	11b/g 2.4~2.5GHz
		LMR400-06	<b>4000M (2.5 Miles)</b>	11b/g 2.4~2.5GHz
		LMR400-09	<b>2000M (1.25 Miles)</b>	11b/g 2.4~2.5GHz

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In addition to Surge Arrestor protection kit, you may choose a combination of Omni Antennae and Outdoor Cable to meet your Effective Target Range:

Antenna	Protection kit	Antenna Cable	Effective Range	Wireless Mode
ANT24-0800N 	Surge protection kit 	LMR400-06	<b>800M (.5 Miles)</b>	11b/g 2.4~2.5GHz
ANT24-1202PC 	Surge protection kit 	LMR400-09	<b>400M (.25 Miles)</b>	11b/g 2.4~2.5GHz
		LMR400-06	<b>1200M (.75 Miles)</b>	11b/g 2.4~2.5GHz
		LMR400-09	<b>600M (.37 Miles)</b>	11b/g 2.4~2.5GHz

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