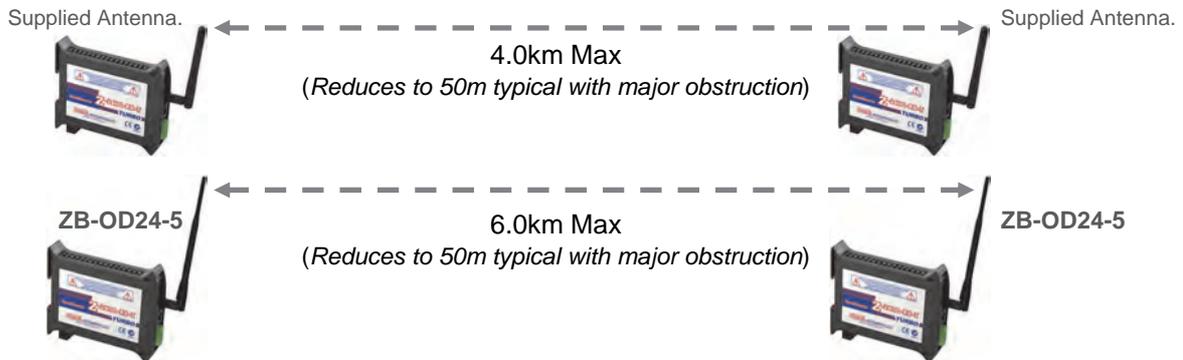


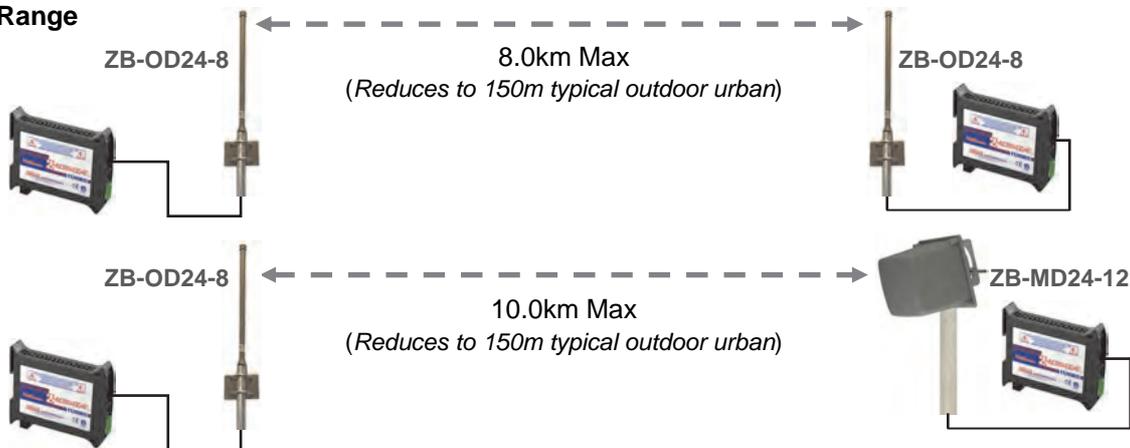
# Z-2400-Turbo Series Extended

## Antenna combinations: Actual Performance Test Results

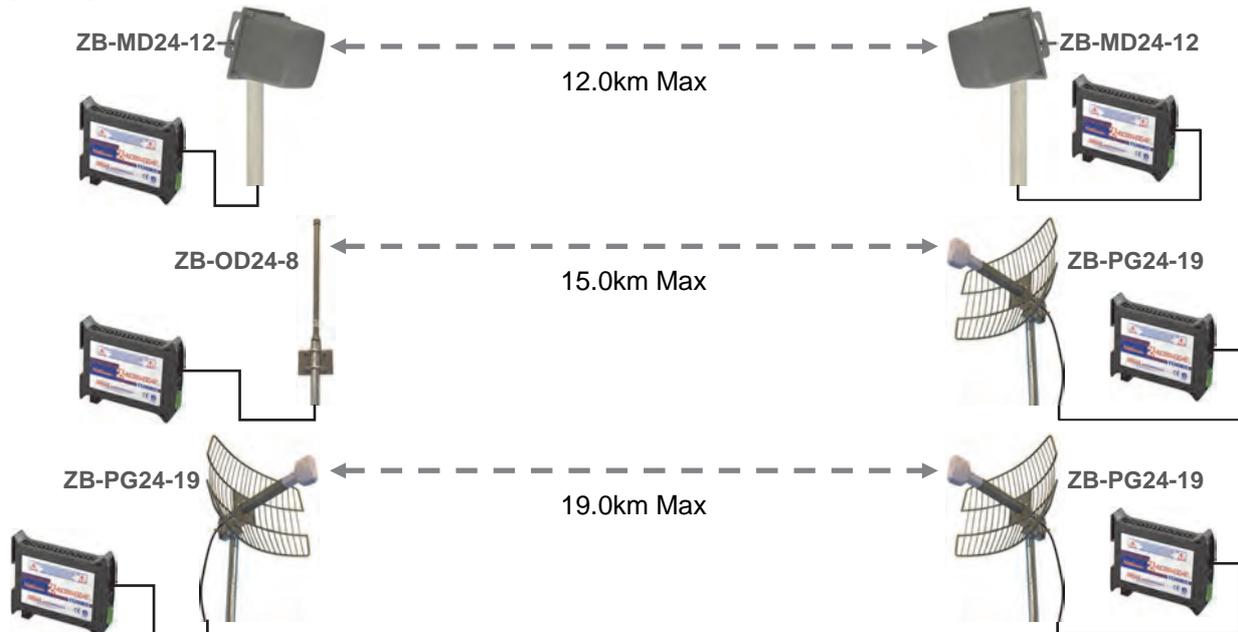
### Short Range



### Medium Range



### Long Range - Point to Point



#### Notes:

1. Test results show impressive distance results under ideal line of sight conditions. These distances become rapidly reduced when obstructions are intruding into the radio 'Fresnel zone'.
2. Max range is under ideal conditions; Using supplied Intech antenna kit-set mounted on 3 metre pole with complete line of sight - no surrounding trees or buildings and low radio interference.
3. "Major obstruction"; refers to where the units are placed on either side of a steel reinforced concrete wall, in an office environment. "Outdoor urban" refers to where the antennas are mounted outdoors in a office building environment, where other transmitting radios are expected.
4. Use only Intech 'ZB' Antennas with Z-2400 wireless series. (i.e. ZB-PG24-19, ZB-MD24-12, ZB-OD24-8 & ZB-OD24-5).
5. For outdoor antennas, the supplied coax-seal must be used between exposed connections to protect from moisture corrosion.

# Z-2400-Turbo Series Extended

## Antenna Ordering Information.

MODEL	DESCRIPTION	
ZB-PG24-19	2.4GHz 19dBi Directional Parabolic Grid Antenna. (mounting brackets & 6m of low loss coax cable included) Designed for outdoor use.	
ZB-MD24-12	2.4GHz 12dBi Mini Directional Antenna. (mounting brackets & 6m of low loss coax cable included) Designed for outdoor use.	
ZB-OD24-8	2.4GHz 8dBi Omni Directional Monopole Antenna. (mounting brackets & 6m of low loss coax cable included) Designed for outdoor use.	
ZB-OD24-5	2.4GHz 5.5dBi Rubber Duck Antenna. Designed for indoor use.	
ZB-BKT01	Bracket Kit for Z-2400 indoor Antennas. (not to be used with ZB-OD24-8) (1m of low loss cable and bulkhead attachment included.)	

## Intech Z-2400 Wireless nodes.



Z-2400-TCP	Base wireless node with TCP/IP connection. (Power supply included)	Z-2400-A2I	Remote wireless node with two universal inputs and digital I/O.
Z-2400-RB	Base or Remote node with RS485/422 connection. (Power supply included)	Z-2400-A2O	Base wireless node with two analogue outputs and digital I/O.
Z-2400-Sleeper	Battery powered node with two universal inputs.	Z-2400-A2R	Remote wireless repeater.

[www.intech.co.nz/zigbee](http://www.intech.co.nz/zigbee)

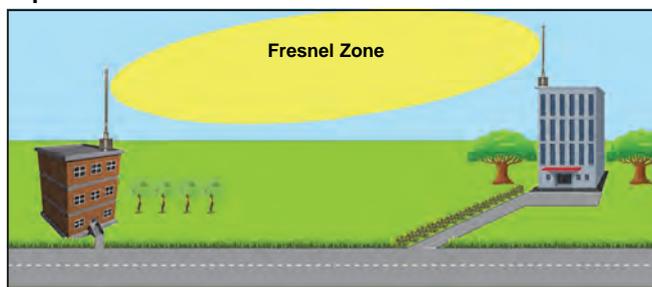
ZB-BKT01



The Bracket Kits are intended to be used with either the supplied antenna as shown, or with the 5.5dBi rubber duck. Ideal if you need to mount the antenna in a separate location from the Z-2400 wireless node to achieve better signal strength.

Example of how distances are rapidly reduced when there are obstructions intruding into the 'Fresnel zone'.

Up to 8.0Km



Up to 1.0Km

