

Section 7

DATA LINK ANTENNAS

Updated 22 February 2011

Z2400-8 Mast Mount ISM Band Collinear

Frequency
2.4 – 2.5 MHz

Bandwidth
Full Band



Z2400-8 is an omnidirectional collinear mast mount antenna designed for data communications in the 2.4 to 2.5 GHz ISM band. 85 cm tall, the antenna delivers 10 dBi gain.

Construction consists of copper internals, a robust white fibreglass radome and stainless steel mount tube.

An N-Female connector rated for up to 50 watts input power is located at the base of the mount tube.

One **UB3SS** stainless steel parallel clamp will be ideal for mounting this collinear antenna to a round mast up to 50 mm in diameter.

High quality **RU400** low loss 50 ohm feeder cable, connectors and other installation accessories can be supplied as you require.



SPECIFICATIONS	Z2400-8
Construction	Copper internals, white fibreglass radome and stainless steel mount tube
Frequency Range	2.4 to 2.5 GHz full band
VSWR	Less than 1.5:1 across the full band
Tuning	Factory
Gain	10 dBi
Maximum Power	50 Watts
Impedance (Nom.)	50 Ohms
DC Grounding	Yes
Polarisation	Vertical
H-Plane	360° Omnidirectional
Cable	None
Connector	N-Female at base of the mount tube
Height	85 cm
Weight	610 grams
Mount Tube Dimensions	25.4 mm diameter x 17 cm stainless steel
Mounting Clamp (Not Supplied)	1 x UB3SS stainless steel parallel clamp is recommended for mounting to a round mast between 20 mm and 50 mm in diameter



An N-Female connector is located at the base of the stainless steel mount tube



High quality RU400 low loss feeder cable and N-Male crimp connector to suit are available to complete the installation.



The **UB3SS** stainless steel mast clamp is available to order separately.