

Wireless MBus Antenna Wall Mount

Part Code	Name
EL921AN	Wireless MBus Wall Mounted Antenna 1.5m

Sycous offer a range of Wireless MBus (868MHz) antenna's to suit the Sycous range of data collection systems. The magnetic mount antenna is used to increase the Wireless MBus communication range for a product. It is small and light and has a swivel feature which makes it very easy to mount. The wall-mount antenna can be used both indoors and outdoors to increase the Wireless MBus communication range for a product. The antenna is an ideal choice for projects where a discreet and reliable installation is required. The Omni antenna is an external omnidirectional antenna which is used to increase the Wireless MBus communication range for a product. It can be mounted on vertical and horizontal mast tubes with an outer diameter of 16-54 mm.

Features:

- Wireless MBus Antenna to increase range
- Available in wall mounted or magnetic mounting type
- SMA-m Connection
- Range of cable lengths



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Technical Specification

Frequency 790-960 MHz / 1710-2600 MHz

Gain*	790-960 MHz	> 2 dBi
	1710-2170 MHz	> 2 dBi
	2170-2600 MHz	> 2 dBi

Antenna Efficiency > 50%

VSWR*	790-960 MHz	2.5 : 1
	1710-2600 MHz	2.5 : 1

Impedance 50 ohm

Temperature Range -40 °C to +85 °C

Cable** Low loss

Cable Length** 1.5m

Cable Loss < 0.85 dB/m @2GHz

Connector** SMA-m

IP Class IP66

Weight 70 g

Dimensions 158 x 47 mm

Color Grey

* The total efficiency of VSWR is depending on materials in the near field of the antenna. Reflecting and absorbing materials might change efficiency. The values in the specification are typical values.

** Other cables, cable lengths and connector available on demand.

Mounting Instructions:

Mount the antenna with suitable screws with flat underside. Screws thicker than e mounting hole might damage the antenna.

Note that the cable is sensible for squeezing and sharp bends. Minimum bending radius R10.

The antenna can be mounted directly on metal (like a metal cabinet) , wooden and plastic surfaces and in free space on a pole.



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