

# UA-271 / 273 / 274

## UHF RFID Antenna



SG-UA-271



SG-UA-273



SG-UA-274

Sygole SG-UA-271/273/274 are ultra-high frequency (860~960Mhz) RFID antennas that are connected to the reader via a coaxial cable. The housing is made of high strength engineering plastic with high degree of protection. Sygole SG-UA antenna serie have the characteristics of small standing wave radio, good directivity and high gain.

### Features

- Operating frequency is 860~960Mhz supporting multi regional standards

### Performance

- Standing wave is less than 1.3
- Circular or .Linear polarization, high gain , large active reading angle
- Integrated reader and antenna
- IP67 protection grade for harsh industrial environments
- Robust and compact structure, strong anti-vibration capability, suitable for distributed production lines, etc.

### Applications

Sygole UHF antennas can be used with SG—UR—A9/A10 readers. Multiple antennas are used to form multi-directional identification points, such as smart access door, which can increase the recognition area and improve the accuracy. They can be installed in the warehouse entrance and exit. When the tagged goods come in and out the antenna can collect the tag information in batches and can feed the information back to the reader. For warehousing Logistics, it is obvious that the inventory efficiency and accuracy of the data will be greatly improved



# SG-UA-271 / 273 / 274 Specifications

Technical Data					
Physical Characteristics		SG-UA-271	SG-UA-273	SG-UA-274	
Specifications	Voltage Standing wave ratio	< 1.3	< 1.3	< 1.3	
	Working Frequency	860 - 960MHz	860 - 960MHz	860 - 960MHz	
	Maximum Power	10W	10W	10W	
	Gain	3dBi	5dBi	8dBi	
	Polarization	Right Circular	Right Circular	Right Circular	
	Input Impedance	50Ω	50Ω	50Ω	
	Connector	Reverse polarity TNC male	Reverse polarity TNC male	Reverse polarity TNC male	
Physical Parameters	Dimension	90*95*40mm	150*150*42mm	240*240*55mm	
	Weight	0.33Kg	0.4Kg	0.7Kg	
	Fixed Tyoe	4 x M5 Screws	4 x M5 Screws	4 x M5 Screws	
	Housing Material	PC+ABS	Engineering Plastic	Engineering Plastic	
	Shell Color	Black	Blue + Black	Blue + Black	
Enviroments	Operating Temperature	-25°C +60°C	-25°C +60°C	-25°C +60°C	
	Storage Temperature	-25°C +85°C	-25°C +85°C	-25°C +85°C	
	Working Humidity	5/95% non condensing	5/95% non condensing	5/95% non condensing	
	IP Protection Grade	IP67	IP67	IP67	
	Drop		GB/T2423-8-1995 (IEC-60028-2-31)	GB/T2423-8-1995 (IEC-60028-2-31)	GB/T2423-8-1995 (IEC-60028-2-31)
		Vibration	GB/T2423-10-2008 (IEC-60028-2-6)	GB/T2423-10-2008 (IEC-60028-2-6)	GB/T2423-10-2008 (IEC-60028-2-6)
	Certifications	CE - FCC	CE - FCC	CE - FCC	

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