



**CONVERGENCE
SYSTEMS LIMITED**

CS776 RFID Thin Antenna



Features:

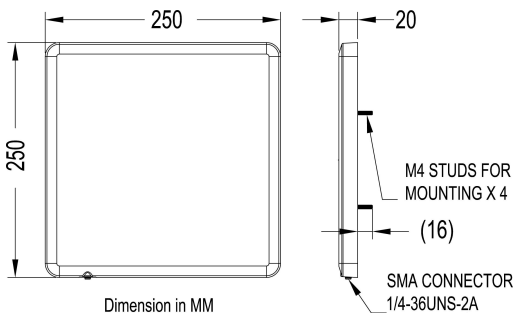
Industry leading read range performance far field antenna.

Circular polarization.

Global frequency coverage.

Excellent matching for best read performance.

Excellent circular polarization characteristics for reading tags of all orientations.



CS776 Thin Antenna is a monostatic antenna for use with CS463/CS203X/CS468XJ for ultra long range high sensitivity tag reading. The antenna has industrial leading circular polarization properties to enable best read of tags of all orientation as they approach the sweet zone of the antenna. The antenna has excellent beam width and front-to-end ratio.

Information about the product

Read Range	With CS463-2 & Monza R6 Dogbone, 22 meters outdoors
Frequency Range	865-868 MHz; 902-928 MHz; 920-928 MHz
Antenna Gain	6 dBiC
Maximum VSWR	< 1.1
Beamwidth (3 dB)	70 degrees
Front to Back Ratio	20 dB
Polarization	Circular
Maximum Input Power	10 Watts
Input Impedance	50 ohms
Axial Ratio	1.2 dB
Weight	0.69 Kg (1.52 lbs)
Physical Dimension	250 x 250 x 20mm (9.84" x 9.84" x 0.79")
Antenna Connection	SMA
Connector	SMA waterproof connector
Radome	UV-resistant ASA
Mounting Style	2 x 2 mounting stud, horizontal separation 3.94" (100mm), vertical separation 3.94" (100mm), M4 studs with pitch 0.7mm
Environment	Operating Temp: -40°C to +70°C (-40°F to 158°F) Storage Temp: -40°C to +70°C (-40°F to 158°F) Humidity: 10% to 95% Non-condensing
Lightning Protection	DC Grounded
ESD	10 KV (no ESD sensitive components inside)
Environmental Rating	IP 67
Order Code:	CS776- N

N = **1**: 865-868 MHz
N = **2**: 902-928 MHz
N = **4**: 920-928 MHz

Contact us at info@convergence.com.hk or visit our website at www.convergence.com.hk