

OR-70F



The OR-70F is a next generation, 9dBic antenna designed for **simplicity** of use in **mass volume installations that doesn't compromise on performance or quality**. The design of this antenna enables industry leading pricing but without sacrificing the stringent product needs imposed by Fortune 500 company usage. This 10" x 10" form-factor antenna is approximately 0.8" thin and includes a robust SMA connector. Despite its aggressive form-factor and price positioning, OR-70F provides excellent RF characteristics equivalent to the leading antennas on the market (see overleaf specs). The antenna is also broadband covering 865MHz - 928MHz in a single model.

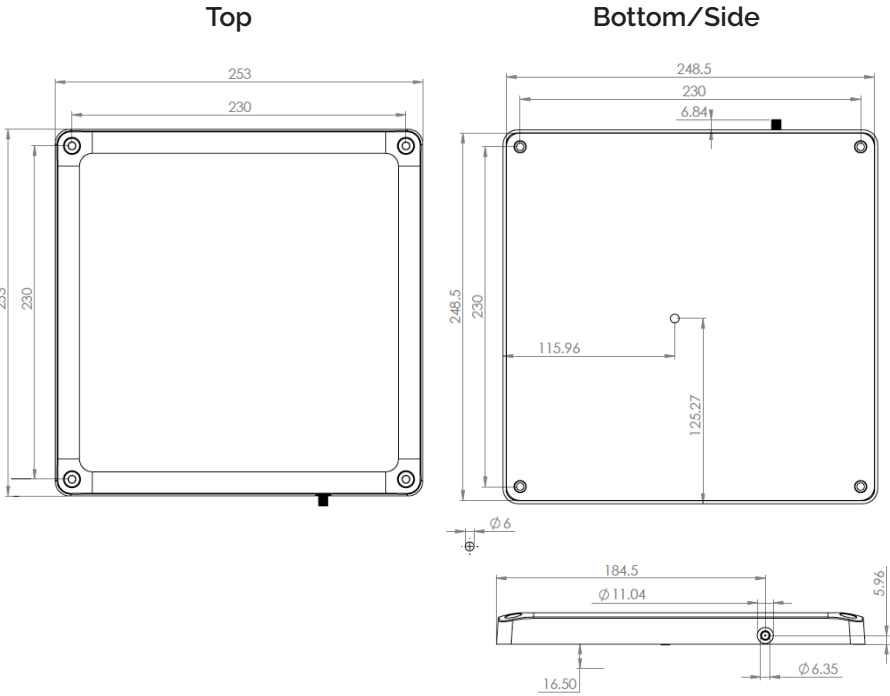
The OR-70F is low-profile and aesthetically pleasing to blend into offices or commercial environments, yet tough enough to be used in warehouses, production lines or even outside (IP68). It can be provided with custom logos or graphics to suit any installation environment and may be used with any RFID reader.

The antenna has both flush and through-hole mounting as standard but an optional 100mm VESA conversion bracket is also available. This bracket gives installers the flexibility to decide which installation type is needed onsite without concerns about different SKU's.

What Does This Do For Me	How?
Minimizes Infrastructure Cost	Industry leading price positioning
	Low cost installation with mounting options
Aesthetically Acceptable in Professional Working Environments	Low profile (22mm/0.8") antenna
	Supports thin SMA type RF cable
	Comes plain but optional silk screening.
Provides Excellent RF Performance for my Reader	9dBic gain
	1.3:1 maximum VSWR
	20dB front to back ratio
Tough and Robust	DC grounded (lightning protection)
	IP68
	Polycarbonate radome
Flexible mounting	Flush/through-hole mounting or optional VESA 100mm mount bracket

PHYSICAL and ENVIRONMENTAL

Feature	Specification
Dimensions	(cm) 25.4 x 25.4 x 2.1 • (in) 10 x 10 x 0.83
Weight	Approximately 790 grams (1lbs 12oz)
Connector	SMA (female) connector
Operating Temperature	-25C to +70C
Lightning Protection	DC Grounded
Environmental Rating	IP 68
Radome	Polycarbonate
Mounting	Through hole flush mount or 100mm studded VESA mount option (SKU variants)



RF

Feature	Specification
Operating Frequency	865MHz - 928MHz (covering ETSI and FCC in one model)
Internal Antenna	9 dBi, right-hand circular or left-hand circular (SKU variants)
Maximum VSWR	1.3:1
3dB Beamwidth - Azimuth	70°
Front to Back Ratio	20dB
Maximum Input Power	10W
Input Impedance	50 Ohms

ORDERING INFORMATION

Model		Part Number
OR-101 Flush Mount	Flush/Flat with through holes at corners	OR70F-WRF
Flush to VESA conversion bracket	Sold Separately	ORAA1