

AI-RF-FX-AN100 RFID Antenna

Original appearance designed high-end UHF RFID Antenna, high gain but low standing-wave ratio brings best performance. Engineering plastic housing, IP66 rugged. Widely used with our fixed reader for assets tracking, warehouse management, intelligent traffic management, vehicle tracking, production line management, intelligent weight measurement etc.



LONG RANGE

High RFID Performance, 9dBi power gain
Max 20m range (with Hopeland fixed RFID reader)

HIGH PROTECTION

Water-proof and anti-dust, IP66 level
Rugged housing design, for outdoor applications



Specifications

Physical	
Size:	290mm×290mm×55mm
Weight:	600g
Housing Material:	Aluminum + Engineering plastic ASA
Protection level:	IP66
Performance	
Frequency:	840-960MHz adjustable
Gain	9 dBi
“H”beam angle	70°
“E” beam angle	70°
Front-back	≥20 dB
Polarization	Right Circular or Left Circular
Impedance	50 (Ω)
VSWR	<1.3:1
Maximum Input Power	100W
Connector	SMA- male or Customizable
IM.3rd Order(2x43dBm)	<-150dBc
Lightning Protection	DC to ground
Operational Environment	
Working Temperature:	-30 - +70°C
Storage Temperature:	-40 - +85°C
Atmospheric Pressure:	86kPa~108kPa
Relative Humidity:	5%-95% RH no condensing