

UHF 8dbi smart cabinet antenna



A UHF 8 dBi Smart Cabinet Antenna is designed to deliver controlled and reliable RFID tag detection within smart cabinets and enclosed storage units. It provides focused read coverage to accurately identify items stored inside, enabling real-time inventory visibility. Ideal for tool management, medical storage, and high-value asset tracking, it helps reduce losses, improve accountability, and support access-controlled monitoring.

Specifications

Parameter	Technical Specs
Frequency	902~928MHz (US) , 865~868MHz (EU)
Gain	8dBi
Polarization	Circular polarization / linear polarization
Identification direction	Antenna front
Radiation angle	Horizontal: 80° Vertical: 65°
Maximum power	100W
Bandwidth	100MHz
Front-to-back ratio	≤23dB
Standing wave ratio	≤1.3°
Impedance	50 Ω
Lightning protection	DC grounding
Operating temperature	-40~80°C
Humidity	5%-95%
Installation method	Screw hole installation
Reflector material	PCB
Antenna size	190*190*18mm
Antenna cover material	ABS