

# **RFID Intelligent High Gain Antenna -Vehicle Management**



**Size: 550\*230\*40mm**

**1. Specifications:**

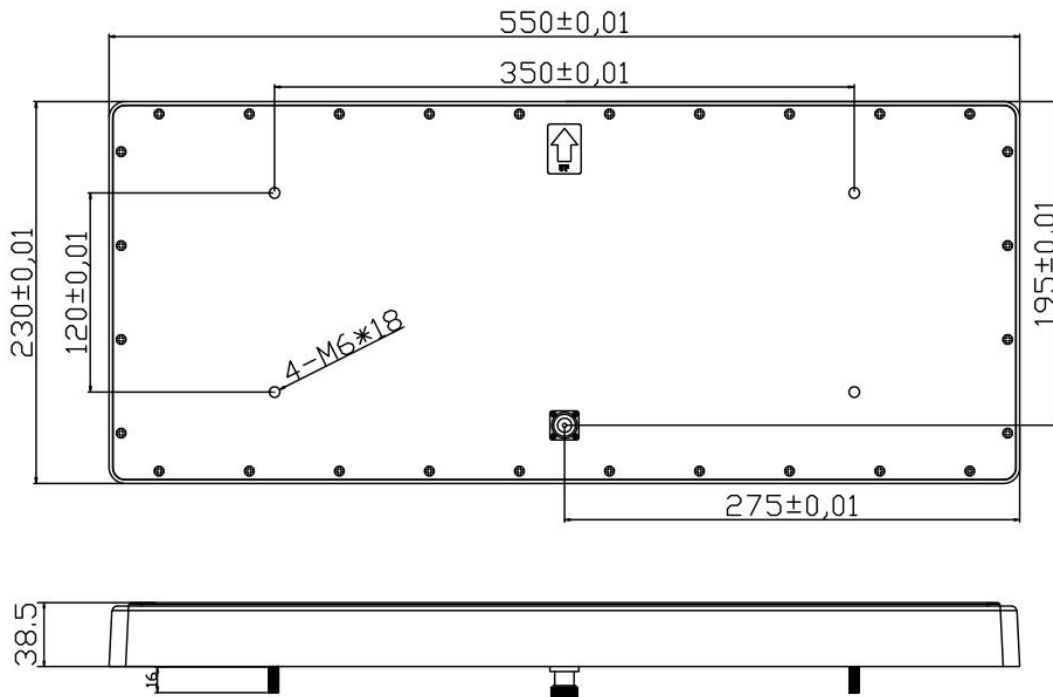
<b>Electrical Specifications</b>	
Frequency Range (MHz)	865-868
Gain (dBi)	12±0.5
Beam Width(° )	Hor:30±1 Ver: 70±2
VSWR	≤1.3/≤2.0
Impedance (Ω)	50
Polarization	Horizontal/Linear
MAX. Power (W)	50
Lightning protection	DC ground

<b>Mechanical Specifications</b>	
Connector	N-50KFD
Connector position	At the bottom
Dimension (mm)	550*230*40mm
Antenna weight (kg)	1.5
Reflector material	Aluminum
Radome material	ABS
Radome color	White or Grey-White
International Protection	IP65
Operating temperature (°C)	-40~55
Mounting hardware (mm)	Φ 100-300

**2. Product Image:**



**3. Product size chart:**



**4. Main application scenarios**

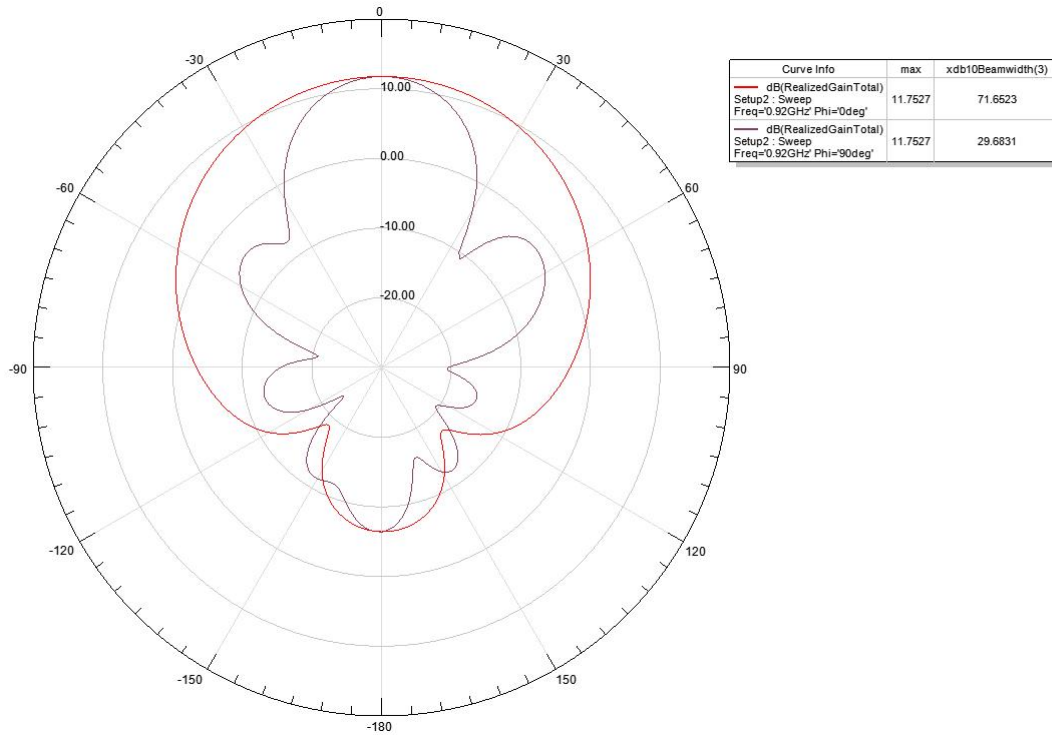
Suitable for 865-868MHz national standard frequency band RFID vehicle management system, such as smart city, motorcycle, vehicle, electric vehicle management, construction site engineering vehicle entry and exit management, terminal container, vehicle management, etc.

Physical advantages: long strip shape, good installation concealment.

Electrical performance advantages: small angle design, small adjacent channel interference, and good anti-cross-reading performance.

### 5. Reference pattern

1) 865MHz frequency point/2D:



2) 865MHz frequency point/3D:

