

RFID UHF ANTENNA

IDT 12 dBi



UHF



IP 67

Rugged
DesignEasy
Installation

Low Cost

IDT 12 dBi linear/circularly polarized UHF Antenna provides the highest level of performance and adaptability needed to handle various environmental circumstances. It is primarily utilized in applications related to industrial production automation, parking management, gate automation, and warehousing. The antenna has an IP67 grade for protection. It operates in accordance with international UHF standards (865-868 MHz and 902-928 MHz) and fully supports the ISO18000-6B and EPC Class 1 Gen2 (ISO 18000 - 6C) tag protocols. It also includes a heavy duty pole mount bracket that allows up or down tilt adjustment and the stainless steel hardware assures a long service life. The antenna can be wall or pole mounted.

PHYSICAL PARAMETER

Dimension	445(l)*445(w)*55(h)mm
Weight	4.3 Kg
Antenna Connector	N (Female)
Gain	12 dBi
Color	White
Reflector Material	Aluminium
Housing Material	ABS

ENVIRONMENTAL SPECIFICATION

Operating Temperature	-40°C to +65°C
Storage Temperature	-40°C to +85°C
Sealing	IP 67

PERFORMANCE

Working Frequency	862 or 870 MHz band (We can do as per your requirements)
Air Interface	ISO18000-6B, EPC Class 1 Gen2 (ISO18000-6C)
Lightning Protection	Direct Ground
Beamwidth E-Plane	$39^{\circ} \pm 5^{\circ}$
Beamwidth H-Plane	$39^{\circ} \pm 2^{\circ}$
Impedance	50Ω
Polarization	Linear/Circular
Bandwidth	26 MHz

ORDER INFORMATION

Part Number	IDT.ANT.UHF.12.01
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APPLICATION AREA



Parking Lot Management



Electronic Toll Management



Warehouse Management



Student Tracking



Vehicle Access



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The product specifications and descriptions listed in the specification sheet are subject to change anytime without notice.

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