

Active Omni Directional Reader IDT 527



LED



IP 55

Impinj
R2000 ModuleActive
UHF

Linux



IDT 527 is an Active UHF RFID reader capable of reading range up to 200 meters. It works on 2.45 GHz frequency, making it best choice for high identification, reliability and strong expandability. It comes with audio visual indicator for Power, Working and Communication status detection. It supports active reading, external trigger and other modes to meet user's various integration needs. Also reading rate is auto regulated and or adjustable. It's all external interface are isolated protection by the latest technology magnetic devices with a strong anti-interference and injury prevention from potential difference. It's high reading range makes it the best choice for Convey Tracking, Personal Position Management in Hospital & Nursing Home, Industry Mining and Prison Sector and others.

PERFORMANCE

Indicator	Buzzer, LED
Product Dimension (Excluding Antenna)	190mm x 120mm x 40mm
Weight	0.6 Kg
Power Supply	DC 5V input
Power Consumption	300mW
Tag Protocol	Private Protocol
Tag Operating Mode	Compatible with active and passive operating mode tags
Reading Range	0-80 m (depend on the Tag Power Output)
Identification Speed	200 Tags/sec
Anti-Collision	Identifying 300pcs tag at the same time

ENVIRONMENTAL SPECIFICATION

Temperature	-40°C to +60°C (Operating), -60°C to +80°C (Storage)
Humidity	5% RH - 95% RH non condensing
Protection Class	IP 55
Shock Resistance	10-500Hz, 100mm/15g, Triaxial

RF PARAMETERS

Operating Frequency	2.4 to 2.48 GHz
Output Power	+15dBm (adjustable by software)
Sensitivity	-95dBm
Identification Angle	Omni- Directional
Polarization	Vertical
SDP	Provided DLL and Demonstration Software Source code to Facilitate Further Development

COMMUNICATION INTERFACES

Interface	RS-232, 10/100M Adaptive Ethernet Interfaces
Expansion Interfaces	RS-485 interface, Wiegand 26/34 Interfaces
Wireless Expansion Module	GPRS/GSM, CDMA, 802, 11 module
I/O Port	2- channel relays output (Optional), 2-channel trigger input (optional)
Firmware Upgrade	Support Serial Port
Application Software Platform	Provide development kit of API C++ and C#

ORDER INFORMATION

Part Number	IDT.527
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APPLICATION AREA



Parking Lot Management



Electronic Toll Management



Warehouse Management



Employee/
Student Tracking



Vehicle Access Management

