UHF INTEGRATED READER
IDT-87 IN
Designed using Impinj E710 module

Linux | IP 68 | Impinj E710 Module | UHF RFID | LED

IDT 87 IN is our most advanced integrated reader. It contains a RFID Reader and an antenna within the same enclosure. It is designed using an Impinj E710 chip, which gives the device its impeccable performance especially in ETC applications. It has an advanced antenna design which is tailored for automatic vehicle identification applications. The reader is designed to read only in the area it is meant to read, thereby reducing all counts of crossline read and tailgating. It waterproof design makes it best choice for Parking Lot Management, ETC, Warehouse Management, Employee Student Tracking, Vehicle Management and others.

PHYSICAL PARAMETERS

Dimensions	298mm x 298mm x 105mm
Weight	2800 gm
Interfaces	RS232, RS485, Weigand26/34 (TCP/IP & WIFI Optional)
Indicators	LED & Buzzer
Housing	Aluminium Housing with Engineering Plastic Cover
Mounting Style	100mm x 100mm VESA M6 Hole

ENVIRONMENTAL SPECIFICATION

Temperature	-40°C to +60°C (Operating), -40°C to +85°C (Storage)
Humidity	95%
Protection Class	IP 68

ARCHITECTURE

Processor	Arm CORTEX M4 CORE MCU
POE	Power Over Ethernet (Optional)
Power Supply	Wide Voltage Input (+9V to +24V)

UHF RFID

Operating Frequency	Standard ISM 865-868 MHz (IND), 865-868 MHz (EU), 902-928 MHz (US)
Air Interface Protocol	ISO18000-6B, EPC Class 1 Gen2 (ISO18000-6C)
Read Range	Up to 18 meters
Output Power	0 dBm to 30 dBm
Antenna	Built In Circular 9 dBi Antenna
External Antenna	1 External Antenna Port Optional
RFID Module	Impinj E710
SDK	Provided DLL and Demonstration Software Source code to Facilitate Further Development
External Control	2 Nos. Bulit In Relays (GPIOs) 4, Optically isolated
Operation Mode	Answer, Active, Trigger
Frequency Hopping	FHSS or Fixed Frequency Transmission (Supports RSSI)

ORDER INFORMATION

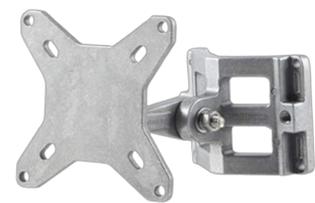|	
Part Number	IDT.UHF.87 IN

ACCESSORIES

Power Adapter

Mounting Kit

VESA Mount

APPLICATION AREA

Parking Lot Management

Electronic Toll Management

Warehouse Management

Employee/ Student Tracking

Vehicle Access Management

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