

WDUH2000 Series

UHF RFID INTEGRATED READER



WDUH2000EB



WDUH2000EW

Application

WDUH2000 Series can be widely used in logistics tracking, commodity inventory, cargo sorting, vehicle management, personnel management, asset management, medical systems, cold chain management, temperature monitoring, power monitoring, anti-counterfeiting systems and production process control and many other applications.



Specifications

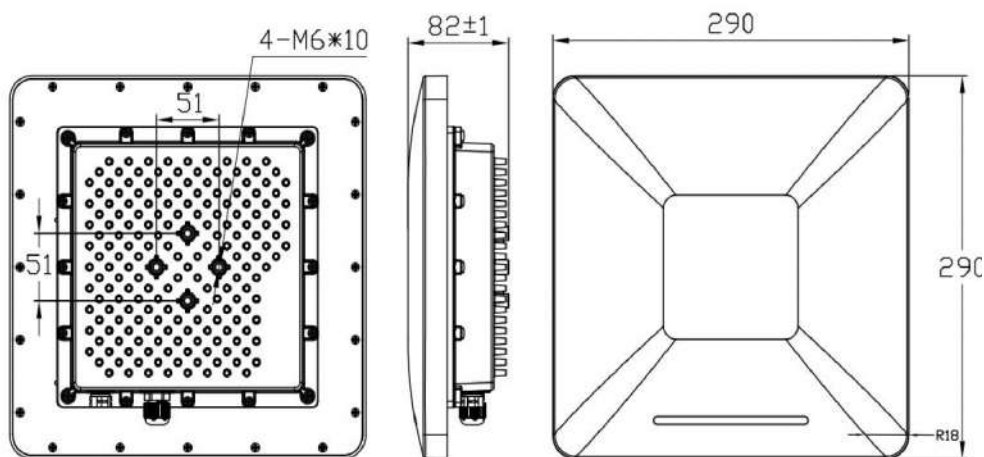
Main Function		
Protocol	EPC Global UHF Class 1 Gen 2 / ISO 18000-6C	
Support tags	Normal tag; Temperature sensor tag; Moisture sensor tag	
RSSI	Support	
RF Parameter		
Frequency	865Mhz	
RF output power	30dBm±1dB(MAX)	
Step power	1dBm	
Signal width	< 250KHz	
Antenna	Built-in 9dBi circular polarized antenna	
Tag Reading		
Reading distance	≥20m	9dBi circular polarized antenna, 30dBm, standard E41 testing card.
Writing distance	≥5m	
Multiple tag reading speed	≥100pcs/s	
Communication Parameter		
Interface	RS232, RS485, Weigand; RJ45(TCP/IP, UDP), WIFI, 4G at option	
Baud rate	115200bps	
Power Parameter		
Operating Voltage	DC 12.0V (+9~24V)	
Operating Current	≤600mA / DC12V	
Standby Current	≤100mA / DC12V	
Working Environment		
Operating Temperature	-20~+55℃	
Storage Temperature	-30~+85℃	
Operating Humidity	<95%RH (+25℃) Non-condensing	



Built-in Antenna Specification

Electrical Specifications	
Freq Range	865MHz
Gain	9dBi
Horizontal Beam width	Hor:60±2°/
Vertical Beam width	Ver:60±2°
F/B Ratio	≥20dB
VSWR	≤1.3
Impedance	50 Ω
Max. Power	50W
Polarization	Circular polarization
Waterproof class	IP65
Lightning Protection	Direct Ground
Mechanical Specifications	
Dimension	290*290*82mm
Weight	2.2kgs
Rated Wind Velocity	30m/s
Reflector material	Aluminum
Radome Color	White
Radome material	ABS
Operating temperature	-40 ~ 80°C

Dimension



Antenna pattern

