



SSD-T Series Gate Reader

The RFID UHF gate reader is an intelligent access control management device based on ultra-high frequency (UHF) radio frequency identification technology. It is primarily used for automatic personnel identification, access control, and anti-theft alarm functions. Its core operating frequency is typically in the range of 860 MHz – 960 MHz, complying with international standards such as EPC C1G2 and ISO 18000-6C.

The device consists of two gate panels forming a detection channel. The channel width can be flexibly adjusted according to on-site requirements (typically 1.2–2 meters). The gate is equipped with a built-in high-performance reader and high-gain antennas, enabling fast, high-volume reading of passive electronic tags attached to personnel or items, with a read range of up to several meters.

Stability

It supports the function of reporting the operating status of the device, and any internal hardware component failure will be automatically reported

Data management

It supports synchronization with backend data, can store up to 300,000 pieces of data, and can be configured with either a whitelist or blacklist alarm mode

Data resuming

Support data resuming after network disconnection

Communication Protocol

It can simultaneously support IoT communication protocols such as TCP, HTTP, and MQTT

SPECIFICATIONS



Model	SSD-T2D
Performance	
Frequency	840MHz ~ 960MHz, adjustable
Protocol	EPC C1G2, ISO18000-6B/C
Chipset	Impinj E710/X3M1
Sensitivity	-85
Antenna gain	11dbi
Polarization	Circular
Reading Distance	0-10 meters, differ for tags
Door panel distance	3 meters
Tag Filtering	AI algerithum supported; 6 sets of EPC supported
Functional features	In & out detection; audio and visable alarm (blue and red light)
RF output power (port)	33dBm±1dBm (MAX)
Communication	
Communication	Ethernet or WIFI
Ethernet (Standard)	10Mbit/s, 100Mbit/s
WIFI(optional)	Frequency: 2.4G, wireless standard: 802.11 b/g/n, effective bandwidth: around 3MB/s
Physical parameters	
Dimension	284*117*1930mm including the base(single panel)
Material	Alluminum frame and acrylic panel
Installation Method	Install on the ground using expansion screws
Power	
Power Supply	AC 220V/ 1A, optional for 110V
Environmental paramaters	
Operating temperature	-20 °C ~+60 °C
Storage temperature	-40°C ~ +85°C
Working humidity	5% to~ 95%, non-condensing