ZS02

Ceiling-Mounted RFID Smart Access Control Terminal



Model: ZS02 | Standard Protocol: ISO 18000-6C/EPC C1G2 | RF Power: 0~33 dBm

Intelligent Algorithm	Offline Transmission	No Development Required	Fast Identification

◆ 1. Basic Parameters

Model	ZS02
Product Name	Ceiling-Mounted RFID Smart Access Control Terminal
Color	White
Overall Dimensions	650 mm × 450 mm × 70 mm
Weight	5000 g
Housing Material	Sheet metal, ABS

◆ 2. RF Performance Parameters

Frequency Range	865–868 MHz / 902–928 MHz / 920–925 MHz
Air Interface Protocol	ISO 18000-6C/EPC C1G2/ISO 18000-6B (optional)
Max. Output Power	33 dBm ±1 dB
Max. Receive Sensitivity	−85 dBm
Multi-Tag Reading Rate	> 400 tags/s

◆ 3. Communication & Interfaces

Wireless Communication	4G/Wi-Fi/Bluetooth (optional)
Communication Interface	RJ45, 10 M/100 M/1000 M auto-negotiation
Audio/Video Interface	HDMI 2.0, supports 4K @ 60 fps HD audio and video output
OTG Interface	USB 2.0 Type-C, for factory debugging and secondary development only
Data Storage	Supports built-in Micro SD (TF) card
SIM Card Slot	Micro-SIM slot (3FF), supports SIM card presence detection

◆ 4. Main Control Performance Parameters

CPU	Quad-core ARM Cortex-A55 64-bit, 22 nm process, up to 2.0 GHz

RAM/ROM	2 GB+16 GB / 4 GB+32 GB / 4 GB+64 GB / 4 GB+128 GB / 8 GB+128 GB
AI+	1 TOPS (INT8) NPU, GPU Mali-G52, Vulkan 1.1
OS	Android 11

◆ 5. Electrical Parameters

Operating Current	800 mA ±5% @ DC 12 V input
Power Supply	DC 9–36 V (12 V/5 A recommended)

◆ 6. Technical Support & Development

Operating System	Windows/Android/iOS/Kylin/UOS/HarmonyOS, etc.
SDK	Native SDK/API (recommended), no in-depth development required, data integration in 10 minutes
Supported Development	C/C#/Java/HTML5/Python, etc.
Development Tools	Unrestricted
Communication Protocol	HTTP/MQTT/TCP/UDP

◆ 7. Service & Warranty

Warranty Period	One-year free warranty for the whole unit from the date of purchase, limited to normal use without unauthorized disassembly or modification
Free Value-Added Services	Free software upgrades and free technical training for different application scenarios
Not Covered by Warranty	Out of warranty period, man-made damage, damage caused by transportation vibration
Without Warranty Card	Charges may apply depending on the situation

◆ Appendix Product Dimension Drawing

