

S32

IP Controller

EVERYTHING A STANDARD NEEDS.
AND BEYOND.

DATASHEET

S32 IP Controller

Unrivaled Face Recognition Performance.

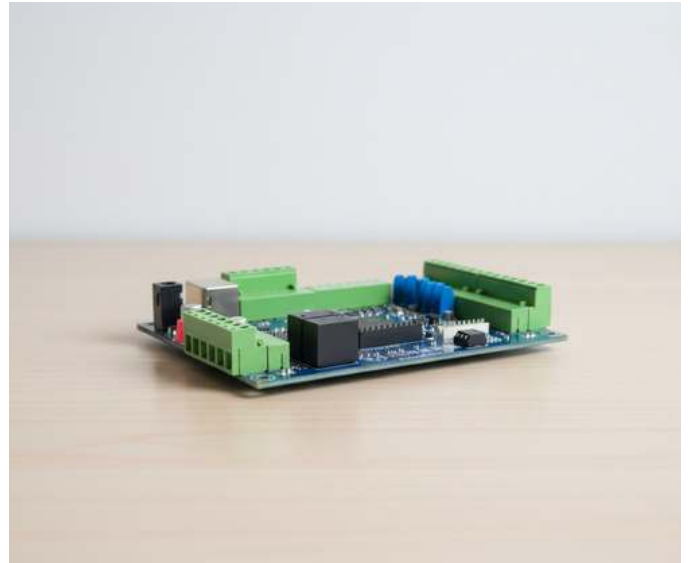
- Zero-Latency Verification - Sub-second cardholder verification for up to 100,000 users. Patented algorithm.
- P2P Architecture - Door-level intelligence. Operates during server outages. No single point of failure.
- Fire Alarm Fail-Safe – Immediate door release on alarm events. Independent of server availability.
- Global Anti-Passback – Prevents credential sharing across all doors.
- High-Speed Polling - Real-time transaction processing for high-volume environments.

Advanced Security & Anti-Spoofing.

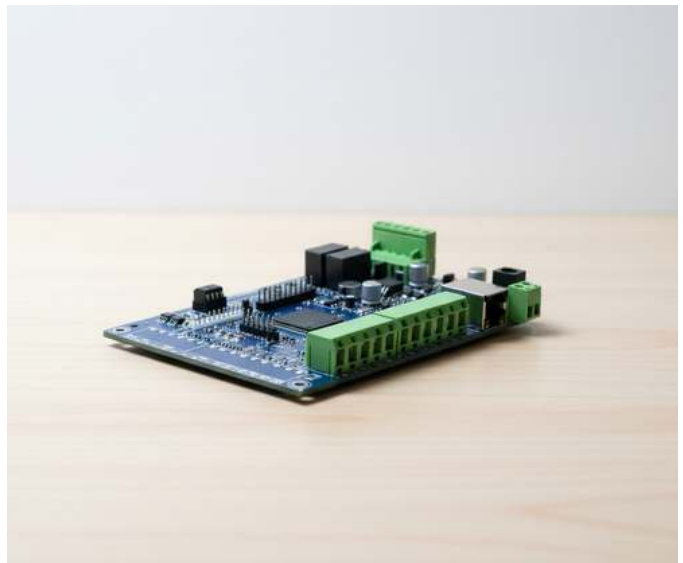
- End-to-End Encrypted Communication - End-to-end protection with AES-256/OSDP v2 support (Optional).
- Industrial-Grade Protection - 15KVA surge protection, integrated power supply.
- Full Audit Trail – Stores up to 40,000 events, expandable to 200,000

Easy to Deploy.

- Uses Existing Infrastructure - Leverages your current network for cost-efficient installation.
- Flexible Configurations - Single or double door setups with up to 4 readers.
- Built-in Web Server.



2 Door S32 IP Controller



1 Door S32 IP Controller

DATASHEET

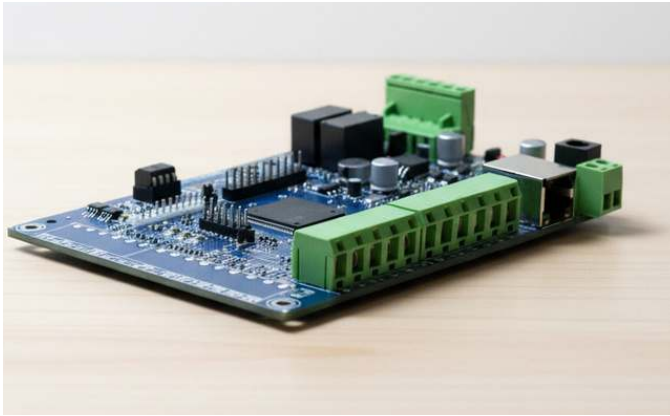
S32 IP Controller

System	
Access Control	1 in / 1 out (single door) or 2 in / 2 out (double door)
Readers	1 in / 1 out (single door) or 2 in / 2 out (double door)
Reader Technology	Standard Wiegand 26/34 format, OSDP V2 (Optional)
Users	Up to 100,000, upgradeable to 250,000
Events	Up to 40,000, upgradeable to 200,000
Input Functionality	Fire alarm, exit push button, door contact, tamper
Security Encryption	AES-256 (Optional)
Controller Redundancy	Supports 2 destination IP addresses
Communication	
Network Interface	RJ45 Ethernet, 10/100 Base-T
Controller Speed	10/100 Mbps
Network Protocols	TCP/IP, ARP, DHCP
Processing	
MCU	32-bit @ 168MHz
Memory	1 MB EEPROM, 16 MB Flash
Electrical	
Power Requirement	13.6 VDC, 3A
Battery Backup	12 VDC, 7AH (onboard charger)
Mechanical	
Dimension	150 (L) x 100 (W) x 15.5 (H) mm (PCB only)
Weight	25g (PCB only)
Environmental	
Operating Temperature	0°C ~ 55°C / 32° ~ 165°F (subject to battery specification)
Humidity	0 ~ 85% Humidity (relative non-condensing)
Regulatory	
Certifications	CE, RoHS

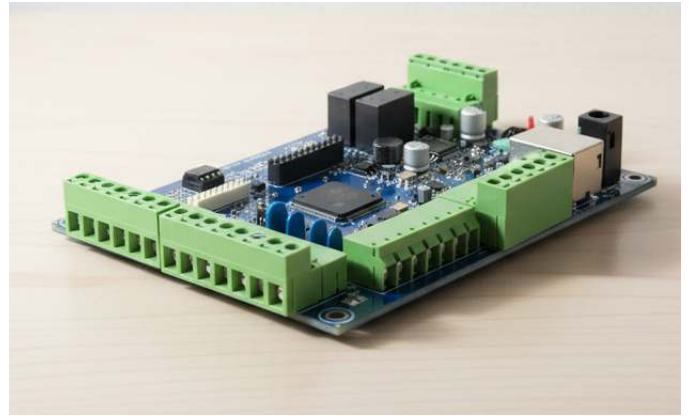
DATASHEET

S32 IP Controller

Order Information



1 Door S32 IP Controller
Model: CTRL-1DR-S32/IP(2.0A)-PCB



2 Doors S32 IP Controller
Model: CTRL-2DR-S32/IP(2.0A)-PCB

Accessories



Metal Casing
Size: 262 x 305 x 70 (mm)



Backup Battery
12VDC



Power Adapter
13.6 VDC | 3A

DATASHEET

S32 IP Controller

System Architecture

