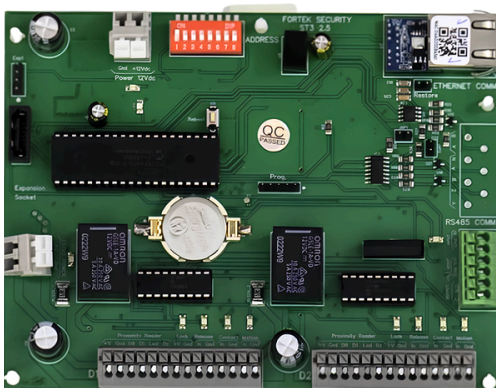


ST3-IP | KEYLESS ENTRY DOOR CONTROLLER

The ST3-IP Controller is a high-performance access control device built on advanced keyless entry technology. Engineered for high reliability and enterprise scalability, it seamlessly integrates with the Fortek Unify Platform to deliver centralized, web-based management tailored to diverse industry requirements.

Motherboard Controller



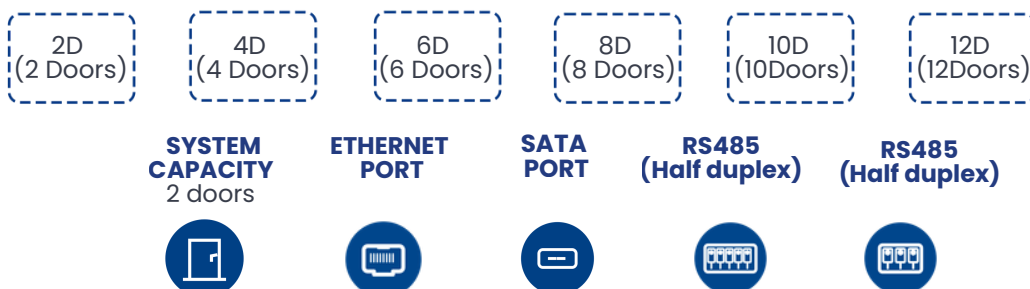
Fortek Unify – Security Ecosystem



KEY FEATURES

 Supports 2 doors	 Fully IP-based connectivity to Fortek Unify
 Real-time monitoring and reporting of forced entry and door-ajar events	 Connects 2 to 14 doors with expansion modules
 Connects directly to 12VDC/24VDC locking devices	 Supports up to 6,000 users, 255 access groups and 15 weekly access schedules
 Reads credentials simultaneously; supports access & exit card readers	 Easily configured unlocking schedules, exception schedules, and emergency lock/unlock
 Supports door release inputs	 Supports up to 255 controllers and 3,570 doors under a single Fortek Unify deployment
 LED status indicators: board power, locks power, sensors & door unlock status	 Inputs for integration with alarm systems, fire panels, and intercoms

SUPPORTED EXPANSION MODULES



TECHNICAL SPECIFICATIONS

Model	ST3-IP	Locking Devices	12VDC/24VDC Electric Strike Or Magnetic Lock
Doors Supported	Two (2) doors, expandable to fourteen (14)	Board Protection	Overcurrent, overvoltage, & reverse flow protection
Type of Technology	Distributed MicroController	On Board LED Status	Board power, locks power, sensors, door unlocked
Prox. Reader interface	Wiegand 26bits, 37bits & 40 bits	Input Voltage Board	12VDC to 14VDC
Access or Exit Reader	Supported for each door	Board Power Consumption	0.033A
Release Input	Supported for each door	Power Supply Board	12VDC, 1.4A(min)
Door Contact	Supported for each door	Power Supply Locking Devices	12VDC OR 24VDC, current model dependent
Exit Motion Sensor	Supported for each door	Interface Fire Alarm Panel	Supported
Communication I	Ethernet - Configurable: DHCP/Static IP/Ports	Power Supply Monitoring	Supported
Communication II	RS485 - Half & Full Duplex	Programmable input/output	Supported
Safety Standards	Designed to conform to UL 294	FCC & IC Compliance	Complies with part 15 of the FCC rules Class A

RECOMMENDED WIRING

EQUIPMENT	WIRE TYPE	SIZE	MAXIMUM LENGTH
Wiegand card reader and keypad	6 conductors, shielded	22AWG to 18AWG	500 ft (150 m)
Ethernet	CAT 5e / CAT 6	24AWG/23AWG	300 ft (100 m)
RS485 (half duplex, Full duplex)	CAT 5e / CAT 6	24AWG/23AWG	300 ft (100 m)
Door Strike/Maglock	2 conductors, solid copper	18AWG	300 ft (100 m)
Door contact input	2 conductors, solid copper	22AWG	1000 ft (300 m)
Release Input	2 conductors, solid copper	22AWG	1000 ft (300 m)
Exit Motion input	4 conductors, solid copper	22AWG	1000 ft (300 m)
Fire Alarm Input	2 conductors, solid copper	22AWG	1000 ft (300 m)