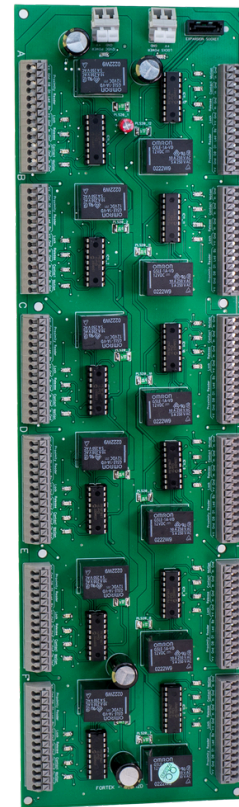


ST3 - TWELVE DOOR EXPANSION MODULE

The ST3-12D Expansion Module is designed to extend the capabilities of the ST3 IP Door Controller by providing control and monitoring for Twelve(12) additional doors. It connects directly to the motherboard via a SATA cable, ensuring seamless integration and reliable communication.

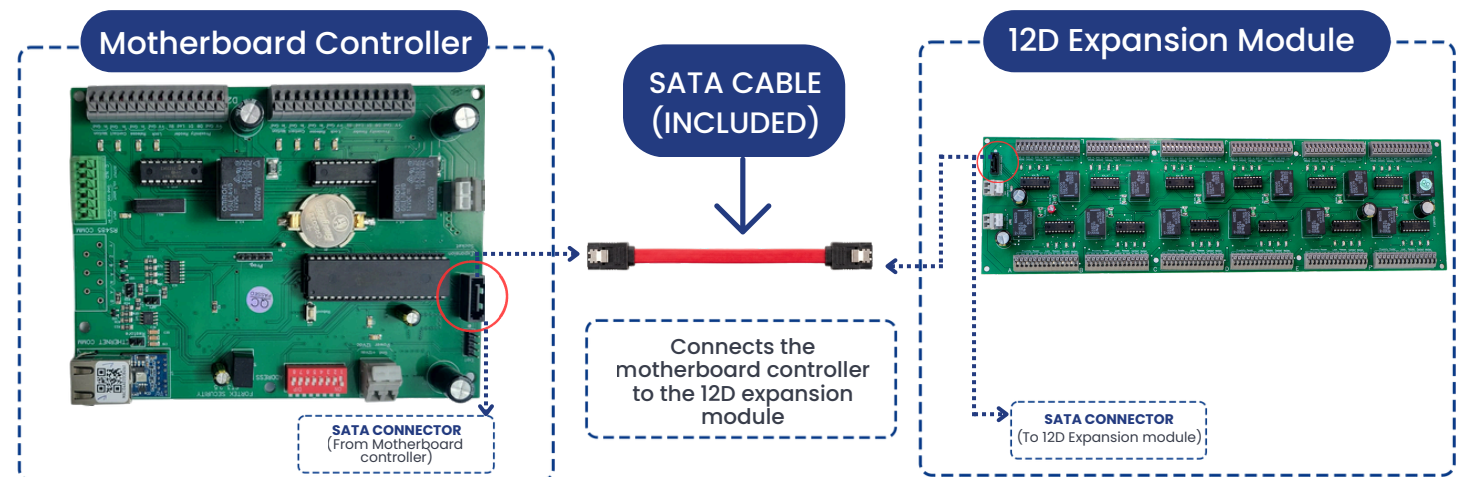
The module provides a simple, flexible, and cost-effective solution for expanding an ST3 access control system while maintaining efficient and centralized door management.

KEY FEATURES

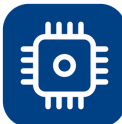


ST3 DOOR EXPANSION-12D

Motherboard Controller Connected to 12D Expansion Module



KEY FUNCTIONS (MOTHERBOARD CONTROLLER)



- Provides all the access control functionalities and IP connectivity to Fortek Unify platform
- Communicates with 2D/4D/6D/8D/10D/12D modules through SATA connection

KEY FUNCTIONS (12D EXPANSION MODULE)



- Adds support for 12 additional doors
- Controls and monitors the additional doors
- Expands the system from 2 doors to 14 doors



SYSTEM CAPACITY
Adds 12 doors



CONNECTION TYPE
SATA Cable
(Point-to-Point)

SUPPORTED EXPANSION MODULES

2D (2 Doors)	4D (4 Doors)	6D (6 Doors)	8D (8 Doors)	10D (10Doors)	12D (12Doors)
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NOTE: The motherboard controller can connect to only one type of expansion module at a time.

 Supports 12 doors	 Reads credentials simultaneously
 Real-time monitoring for forced entry and door-ajar events	 Supports door release inputs
 Connects directly to 12vdc/24vdc locking devices	 LED status indicators

TECHNICAL SPECIFICATIONS

Model	ST3-12D	Locking Devices	12VDC/24VDC Electric Strike Or Magnetic Lock
Doors Supported	Twelve(12) Doors	Board Protection	Overcurrent, Overvoltage, and Reverse Power Protection
Type of Technology	Distributed MicroController	LED Status	Board Power, Locks Power, Sensors & Door Unlock Status
Prox. Reader interface	Wiegand 26bits, 37bits & 40 bits	Input Voltage Board	12Vdc to 14Vdc
Release Input	Supported for each door	Board Power Consumption	1.7A
Door Contact	Supported for each door	Power Supply Board	12Vdc, 2.5 A
Exit Motion Sensor	Supported for each door	Power Supply Locking Devices	12VDC OR 24VDC - 12A