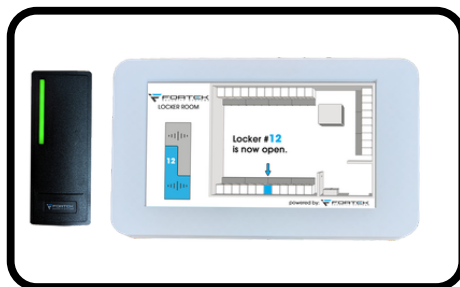


FL48-IP | LOCKER CONTROLLER

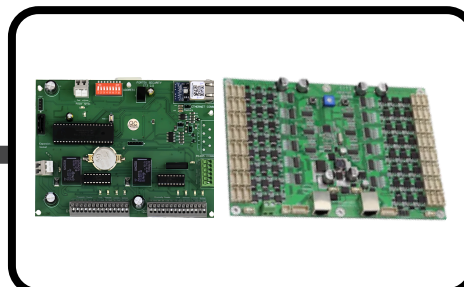
Engineered for native integration with the Fortek Unify Platform, the FL48-IP Controller provides real-time locker control and monitoring for hundreds of lockers through a single card reader and display interface. Equipped with an interactive 7-inch display, it guides users to exact locker locations and supports flexible fixed, dynamic (shift-based), and mixed locker assignments.

KEY FEATURES

Locker System - Entry Point



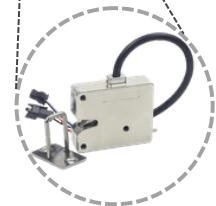
Locker Controller



Lockers



Fortek Unify - Security Ecosystem



KEY FEATURES

 Monitors and controls up to 48 lockers	 Fully IP-based connectivity to Fortek Unify
 Supports up to 9 expansion modules (up to 432 lockers total per controller)	 Supports secondary card reader for locker room main entry
 Supports fixed locker assignment, dynamic assignment (shift-based), and mixed mode.	 Customizable entry screen matching locker room layouts, supporting separate male and female locker configurations.
 Supports real-time front desk notifications via Fortek Desktop Concierge, SMS, and email.	 Supports infrared strip sensors for lockers occupancy detection (empty/occupied) and latch sensors for locker status (open/closed).

**SYSTEM
CAPACITY**
48 Lockers



**ETHERNET
PORT**



**RS485
(Half duplex)**



**RS485
(Half duplex)**



SUPPORTED EXPANSION MODULES



TECHNICAL SPECIFICATIONS

Model	FL48-IP/FL-EXP48	Input Voltage Locker Interface Board	24VDC to 26VDC
Lockers Supported	48	Input Locker Interface Board	1.2A per lock
Type of Technology	Distributed MicroController	Board Protection	Overcurrent, overvoltage, & reverse voltage protection
Locker output	24V direct to each locker locking device (N.O)	Display Power	5V DC, 1A
Locker Sensors Input	24VDC Infrared Strip (Locker Occupied)/Latch Sensor(open/close)	Display Graphic Specs	7 Inches,graphical, matrix 1024x600,154.2x85.9mm
Communication	Ethernet – Configurable: DHCP/Static IP/Ports	Display Interface	UART
Programmable input/output	Supported	Safety Standards	Designed to conform to UL 294
Input Controller Board Power	12VDC to 14VDC, 0.7A	FCC & IC Compliance	Complies with part 15 of the FCC rules Class A

LOCK TECHNICAL SPECIFICATIONS



Material	Zinc Alloy	Voltage, Current	24V, 1.2A – available latch sensor
Size	52*43*13.5mm	Drive Mode	Solenoid
Working Temperature	-20°C~+60°C	Tensile Strength	2,000N
Working Life	150,000 times	Certification	CE; RoHS; FCC

RECOMMENDED WIRING

EQUIPMENT	WIRE TYPE	SIZE	MAXIMUN LENGHT
Locks (unlocking)	2 conductors, solid cooper	18AWG	300 ft (100 m)
Locks (latch sensor)	2 conductors, solid cooper	22AWG	300 ft (100 m)
Infrared strip	4 conductors, solid cooper	22AWG	300 ft (100 m)
Card Reader	6 conductors, Shielded	22AWG	300 ft (100 m)
Ethernet	CAT 5e / CAT 6	24AWG/23AWG	300 ft (100 m)
Programmable input/output	2 conductors, solid cooper	22AWG	3280 ft (1000m)