



PA-8500 Access Control Controller

The PA-8500 controller is a powerful and cost-effective access control solution designed for modern security systems. It is suitable for both new installations and as a replacement for existing systems.

Developed by Padis Technology's engineering team, this controller combines high processing power with intelligent software, ensuring reliable and efficient performance in real-world environments.

Feature	SYNCOLOGY (Proposed)
Supported Doors per Controller	2 doors (expandable to 64/128 with modules)
Reader Protocols	Wiegand, RS-485 (OSDP planned)
Inputs/Outputs	12 inputs (door, REX, alarm, tamper), 6 relays
Relay Outputs	Dry contacts, 2 dedicated Wiegand relays
Memory/Processor	RAM 8GB, Flash 16GB (high spec)
Network Connectivity	Ethernet, RS-485-CAN
Cyber Security	CRC checks, basic encryption
Advanced Scenarios	Anti-passback, Four-eye, Interlock, Emergency Unlock, Guard Tour
Integration APIs	Custom API, basic integration