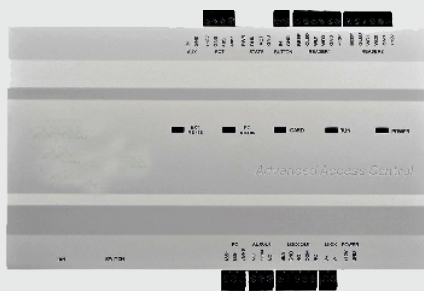# Smart MDC 222 Pro Series
IP-Based Biometric Access Control Panel
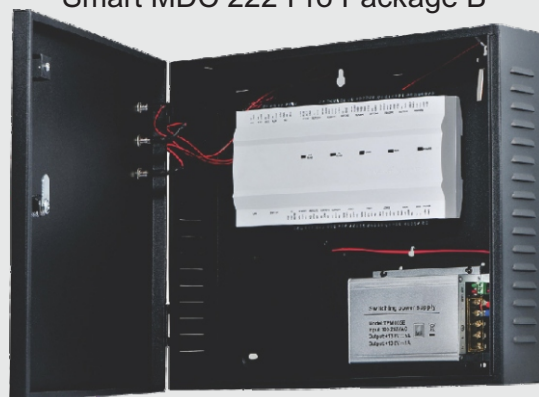
Smart MDC 222 Pro 1

Smart MDC 222 Pro 4

Smart MDC 222 Pro 2

Smart MDC 222 Pro Package B

Smart MDC 222 Pro Series is a project oriented high-end product line with unique features such as embedded fingerprint verification and advanced access control functions, which can be managed by TCP/IP communication thru LAN or WAN networks.

The Smart MDC 222 Pro Series are the perfect match for Smart Security web based software platform to provide a full featured biometric security solution.

In combination with the FR1300 RS485 reader, the panels can authenticate users under multiple verification modes such as fingerprint, card and password for a higher security level.

Features

Truly Internal Biometric Identification

Smart MDC 222 Pro carries out the matching of fingerprints on the panels. The FR Series of readers transmit fingerprint templates to Smart MDC 222 Pro vis Rs485 for fast and accurate matching with templates stored in the database. Wiegand inputs are also provided for traditional RFID readers.

More than Door Control

Access additional control and interface. After programming, auxiliary relays can be functioned as lights, alarms and intrusion detection panels. Extra locking devices or gate controllers can be accessed.

Communicaiton

Smart MDC 222 Pro controllers can be installed easily on your network and support both TCP/IP and RS-485 communication. Auto-discovery tool allows setting and modification of network parameters directly and easily.

Options

Smart MDC 222 Pro controllers come in 3 sizes to suit project needs and reduce the cost of unused capacity. 1-door, 2-door, and 4-door models can be mixed and matched in an optimized system architecture.

Capacity

Support up to 3000 fingerprint templates, 30,000 badge users and store up to 100,000 events and transactions. Data is preserved if power is lost. Controller continues to operate if network connection is interrupted.

Advanced Access Control Built-In

Anti-Passback, First-Card Opening, Multi-Card Opening, Duress Password Entry, and Auxilary input/output linkages are built into controller firmware.

Lowest Total Cost of Ownership

Save cost. Controller firmwares can be upgraded without any advanced tools. New features can extend and expand the value of your investment.

Specifications

(G: GL Exclusive Feature	Smart MDC 222 Pro 1	Smart MDC 222 Pro 2	Smart MDC 222 Pro 4
Number of doors controller	1 Door	2 Door	4 Door
Numbers of readers supported	4(2 RS-485 Reader, 2 26-bit wiegand reader)	8(4 RS-485 Reader, 4 26-bit wiegand reader)	12 (8 RS-485 Reader, 4 26-bit wiegand reader)
Types of readers supported	26-bit Wiegand and G RS485 FR Series Reader	26-bit Wiegand and G RS485 FR Series Reader	26-bit Wiegand and G RS485 FR Series Reader
Number of Inputs	3(Exit Button and Door Status, 1 AUX)	6(2 Exit Button, 2 Door Status, 2 AUX)	12(4 Exit Button, 4 Door Status, 4 AUX)
Number of Outputs	2 (1-Form C Relay for Lock and One Form C Relay for Aux Output)	4 (2-Form C Relay for Lock and 2-Form C Relay for Aux Output)	8 (4-Form C Relay or Lock and 4-Form C Relay for Aux Output)
Card holders Capacity	30,000	30,000	30,000
Fingerprint Capacity	3,000 (G optional 20,000)	3,000 (G optional 20,000)	3,000 (G optional 20,000)
Log Events Capacity	100,000	100,000	100,000
Communication	G TCP/IP and RS-485	G TCP/IP and RS-485	G TCP/IP and RS-485
Package Dimension	350(L)×90(H)×300(W)mm	350(L)×90(H)×300(W)mm	350(L)×90(H)×300(W)mm
Package Weight	3.6kg	3.6kg	3.7kg
CPU	G 32 bit 400MHz CPU	G 32 bit 400MHz CPU	G 32 bit 400MHz CPU
RAM	G 32MB	G 32MB	G 32MB
Flash Memory	G 128MB	G 128MB	G 128MB
Power	9.6V-14.4V DC	9.6V-14.4V DC	9.6V-14.4V DC
Operating Temp	0-45°C	0-45°C	0-45°C
Operating Humidity	20% to 80%	20% to 80%	20% to 80%

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