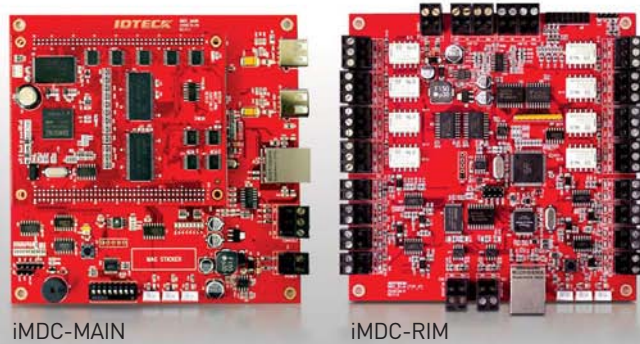


# 32 Doors Access Control Panel



## System Features

- Linux Operating System Applied for Higher System Performance and Stability
- Integrations with Video Surveillance, Alarm, Fire Alarm, BAS, BMS and Other Security Systems
- Single or Multiple iMDC Network Communication via Ethernet
- Easy System Expansion as iMDC-MAIN and iMDC-RIM (Remote Interface Module) are Separated
- Fault-Tolerant System Applied to Provide Stable Performance even during the System Failure
  - : Dual System Processing of Devices (iMDC-MAIN)
  - : User Configurable Relay Output during the Communication Disconnection between iMDC-MAIN and iMDC-RIM
  - : System Reset Function by Self-Diagnosis (Watchdog Function)
- Encrypted Data Transmission (3DES) between iMDC-MAIN and Communication Server
- Local / Zone / Area / Global / Timed / Soft Anti-Passback
- Arm/Disarm Function
- Duress Mode / 2 Men-Operation Function
- Guard Tour Function
- Advanced Security Time Schedule Configuration
- Configuration Setting per ID (Time Schedule, Card Usage Expiration Date, Accessible Reader, Door Opening Time, etc.)
- Event Priority Setting
- Alerts When Door Opening Time Exceeds and Forced Door Open
- Supports Expansion Input Board (UIM16)/ Expansion Output Board (UOM16)
- 4-Status Input Check (On/Off/Short/Cut)
- Designed to Withstand ESD (Electro Static Discharge) Shock
- Firmware Upgrade via Remote Control
- Compatible Software: STARWATCH ENTERPRISE, iDWATCH VIEW PRO

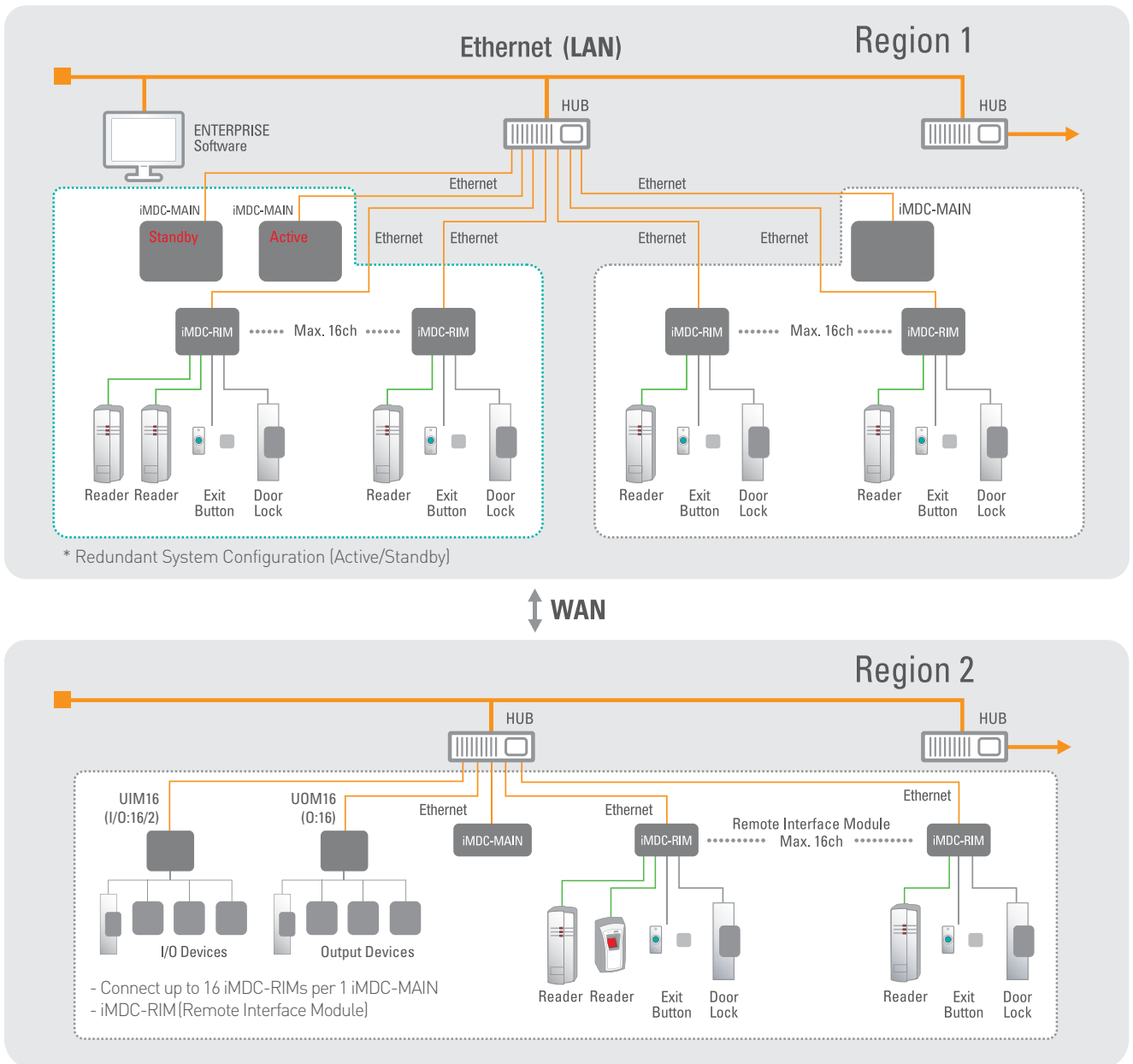
Model		iMDC-MAIN
CPU		32 Bit (ARM9) Microprocessor
OS		Embedded Linux
Memory	Program	128M Byte SDRAM
	Data	128M Byte Flash Memory
User IDs / Event Buffers		200,000 / 200,000
Power / Current		DC12V / Max. 700mA
Communication		Ethernet
Communication Speed		10/100 Mbps
RIM Board Interface		16 iMDC-RIM via Ethernet (2 Readers per Device, Connect 8 Inputs and 8 Outputs) Connect Up to 32 Readers, 128 Inputs, 128 Outputs to the Board
LED Indicator		21 LED Indicators
Operating Temperature		0° ~ +65°C
Operating Humidity		10% ~90% Relative Humidity Non-Condensing
Dimension (W x H x T) / Weight		137 x 137 x 18mm / 148g
Certification		FCC, CE, KCC, RoHS, UL

Model		iMDC-RIM
CPU		8 Bit Microprocessor
Memory	Internal Memory	128K Byte Flash Memory
	External Memory	4K Byte SRAM
Power / Current		DC12V / Max. 350mA
Reader Port		2 EA : 26/34 Bit Wiegand, 4/8 Bit Burst for PIN
Input Port		8 EA (Input Type Selectable)
Output Port		8 EA:2 FORM-C Relay Output (COM, NO, NC)/DC 12V ~ 18V, Rating Max. 2A
Communication		Ethernet
Communication Speed		10/100 Mbps
LED Indicator		25 LED Indicators
Operating Temperature		0°C ~ +65°C
Operating Humidity		10% ~90% Relative Humidity Non-Condensing
Dimension (W x H x T) / Weight		137 x 137 x 18mm / 168g
Certification		FCC, CE, KCC, RoHS, UL

		UIM16 (Expansion Input Board)	UOM16 (Expansion Output Board)
CPU		8 Bit Microprocessor	
Memory	Program	128K Byte Flash Memory	
	Data	4K Byte SRAM	
Input Port		16 EA	N/A
Output Port		2 EA	16 EA
Communication		Ethernet (10/100 Mbps)	
Power / Current		DC12V/Max 300mA	DC12V/Max 500mA

Time Schedule			
Time Code	128	Holiday Code	128
Time Interval	24	Holiday	64

**iMDC Configuration**



**iMDC Package**



iMDC-MAIN Package	
iMDC-MAIN Board	1 EA
NEMA Case	1 EA
Power Supply (ID40WA)	1 EA
NFB Switch	1 EA
Back-up Battery (12V/7A)	1 EA



iMDC-RIM Package	
iMDC-RIM Board	1 EA
NEMA Case	1 EA
Power Supply (ID40WA)	1 EA
NFB Switch	1 EA
Back-up Battery (12V/7A)	1 EA