

# Field Control Layer Device

## EIMnet Digital I/O Expansion Module

# EIM..M

### 【Description】

EIM..M series of digital I/O expansion module is a remote control unit follows the format of MODBUS RTU communication rule, the main purposes are increasing I/O points for AIRTEK DDC. It works with any controller which has an EIMnet port. EIM..M uses 32-bit microprocessor core, transmission rate up to 38,400 bps. Theirs binary and pulse inputs have 5,000Vrms optical coupling isolates to block noise feature, Binary inputs accept dry contact or open collector signal, Pulse inputs accept the largest 100HZ signal. Their binary output is a 7A/250VAC/SPST relay dry contact, it can control facilities directly. The physical points of EIM can be directly converted to DDC's BI / BO points. Therefore, setting or transfer of these I/O points is not required. The controller can use these points directly. EIM..M makes the arrangement of control points flexible, save money, and helps to control all related control points in a single program. It is absolutely the best product for your building.



### 【Features】

- An AIRTEK RS-485 communication interface works with any AIRTEK controller that has an EIMnet port.
- Binary Input(BI) and Pulse Input(PI) has 5,000Vrms optical coupling isolates and status indicator design.
- Binary output (BO) has 5,000Vrms optical coupling isolate, status indicators and manual on / off / auto three sections select switch.
- 8 MAC Address DIP switches for address 0~127.
- When applied to MS/TP network situations, the flexibility to configure the number of points to save investment costs.
- Slide track design for space-saving and easy installation.
- Plug-in terminal blocks and LED Indicators of communication and status are convenient for system debug.

### 【Specification】

Model	BI Points	BO Points	PI Points	Max. Number of EIM module on each EIMnet port					
				DSCB	DSC...B	DACB	DAC...B	GC-DB01	WC-RB11/12
EIM24000M	24	0	0	12	12	12	12	24	24
EIM8000M	8	0	0						
EIMP800M	0	0	8						
EIM0080M	0	8	0						
EIM0040M	0	4	0						
EIM4020M	4	2	0						

**Power Supply** : 24VAC.

**Microprocessor** : 32 bit high speed processor (MCU).

**Binary Input (BI)** : Accept dry contact or open collector signal, having 5,000Vrms optical coupling isolates.

**Pulse Input (PI)** : Accept the largest 100HZ open collector or dry contact, having 5,000Vrms optical coupling isolates.

**Binary Output (BO)** : 7A/250VAC non-voltage SPST contact output, having 5,000Vrms optical coupling isolates.

**EIMnet Port** : MODBUS RS-485 bus, communication speed 9,600/19,200/38,400 BPS adjustable.

**Environment** : 0~50°C, 20~90%RH non-condense.

**Certification** : CE, RoHS

