

XW-board vs. XV-board

硬體規格比較

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規格



XW-board



XV-board

| 通訊 | | |
|---------|---------------------------|---------------------|
| 通訊方式 | ICPDAS ISA bus (Parallel) | Modbus RTU (Serial) |
| 通訊速度 | fast | slow |
| 支援 PACs | WP-5141、WP-5151 series | WP-5231 series |

硬體差異

| DI, DO Expansion XW-board | | | |
|---------------------------|----|----|-----------|
| Model | DI | DO | Isolation |
| XW107 | 8 | 8 | - |
| XW107i | | | 3750 Vrms |
| XW110i | 16 | - | 3750 Vrms |
| XW111i | - | 16 | 3750 Vrms |

| DI, DO Expansion XV-board | | | | | |
|---------------------------|----|---------|-------------|----|-------------|
| Model | DI | | | DO | |
| | Ch | Type | Sink/Source | Ch | Sink/Source |
| XV107 | 8 | Wet | Source | 8 | Sink |
| XV107A | | | Sink | | Source |
| XV110 | 16 | Dry/Wet | Sink/Source | - | - |
| XV111 | - | - | - | 16 | Sink |
| XV111A | | | | | Source |

| Relay output Expansion XV-board | | | | | |
|---------------------------------|----|------|-------------|--------------|--------------|
| Model | DI | | | Relay output | |
| | Ch | Type | Sink/Source | Ch | Type |
| XV116 | 5 | Wet | Source/Sink | 2 | Signal Relay |
| | | | | 4 | Power Relay |

| AI, AO Expansion XW-board | | | | | | | |
|---------------------------|-------------|-----------|-------------|-----------|----|----|-----------|
| Model | AI (12-bit) | | AO (12-bit) | | DI | DO | Isolation |
| | Ch | Range | Ch | Range | | | |
| XW304 | 6 | +/-5 V | 1 | +/-5 V | 4 | 4 | - |
| XW310 | 4 | +/-10 V | 2 | +/-10 V | 3 | 3 | |
| XW310C | | 0 ~ 20 mA | | 0 ~ 20 mA | | | |

| Multi-Function Expansion XV-board | | | | | | | | | |
|-----------------------------------|----|--|----|---|---------|---------|-------------|---------|------------------|
| Model | AI | | AO | | DI | | | DO | |
| | Ch | Range | Ch | Range | Ch | Type | Sink/Source | Ch | Sink/Source |
| XV306 | 4 | ± 1 V, ± 2.5 V, ± 5 V, ± 10 V, ± 20 mA, 0 ~ 20 mA, 4 ~ 20 mA | - | - | 4 | Wet | Sink/Source | 4 | Relay, FormA, 6A |
| XV307 | - | - | 2 | 0 V ~ +5 V, ± 5 V, 0 V ~ +10 V, ± 10 V, 0 mA ~ +20 mA, +4 mA ~ +20 mA | | | | | |
| XV308 | 8 | ± 1 V, ± 2.5 V, ± 5 V, ± 10 V, ± 20 mA, 0 ~ 20 mA, 4 ~ 20 mA | - | - | DI+DO=8 | Dry/Wet | Source | DI+DO=8 | Sink |
| XV310 | 4 | ± 1 V, ± 2.5 V, ± 5 V, ± 10 V, ± 20 mA, 0 ~ 20 mA, 4 ~ 20 mA | 2 | 0 V ~ +5 V, ± 5 V, 0 V ~ +10 V, ± 10 V, 0 mA ~ +20 mA, +4 mA ~ +20 mA | 4 | Dry/Wet | Source | 4 | Source |

| RS-232, RS-422, RS-485 Expansion XW-board | | | | | | | |
|---|-------------|----|----------|----|----|-----------|--|
| Model | Serial Port | | | DI | DO | Isolation | |
| | Type | Ch | Wiring | | | | |
| XW506 | RS-232 | 6 | 3-wire | - | - | - | |
| XW507 | RS-422/485 | 1 | 4/2-wire | 5 | 5 | | |
| XW508 | RS-232 | 8 | 3-wire | - | - | | |
| XW509 | RS-232 | 2 | 5-wire | 4 | 4 | | |
| XW511i | RS-485 | 4 | 2-wire | - | - | 2500 Vrms | |
| XW514 | RS-485 | 8 | 2-wire | - | - | - | |

軟體差異

| | XW-board | XV-board |
|-----|--|---------------|
| API | XWBoardSDK.dll XW304.dll XW310.dll XW310C.dll | nModbusCE.dll |

注意: XV-board 的 Slave 位置(Slave ID)預設為 1，有關各種 XV-board 的讀/寫位址表，請參考 XV-board 使用者手冊：

http://ftp.icpdas.com/pub/cd/winpac_am335x/wp-5231/document/xv-board_user_manual_v1.0.2.pdf

外觀概述

XW-board



更多 XW-board 的資訊請參考：

http://www.icpdas.com/root/product/solutions/pac/upac/xw-board_selection.html

XV-board



更多 XV-board 的資訊請參考：

http://www.icpdas.com/root/product/solutions/hmi_touch_monitor/touchpad/xv-board_selection.html