

I/O Expansion Modules

- ใช้เพิ่ม I/O ให้กับ PLC ของ Unitronics ได้ทุกรุ่น ยกเว้นรุ่น Jazz
- มีความหลากหลายของชนิด I/O เช่น Digital, Analog, Temperature, Hi-Speed I/O, Loadcell, Strain gauge
- มีชุด All in One รวมรวม Digital I/O, Analog และ Hi-Speed I/O เข้าด้วยกันในตัวเดียว

IO-DI8-TO8	IO-DI8-RO4	IO-DI8-RO8	EX90-DI8-RO8 ³	IO-DI16
24VDC 8 Digital Inputs, pnp/npn, including one High-speed Counter 8 pnp Transistor Outputs	24VDC 8 Digital Inputs, pnp/npn, including one High-speed Counter 4 Relay Outputs	24VDC 8 Digital Inputs, pnp/npn, including one High-speed Counter 8 Relay Outputs	24VDC 8 Digital Inputs, pnp, including one High-speed Counter 8 Relay Outputs	24VDC 16 Digital Inputs, pnp/npn, including one High-speed Counter
IO-TO16	IO-RO8	IO-RO16	IO-DI8ACH	
24VDC 16 pnp Transistor Outputs	24VDC (power supply) 8 Relay Outputs	24VDC (power supply) 16 Relay Outputs	110/220 VAC 8 AC Inputs	

High-speed Remote I/O Module

EXF-RC15 ^{2,5}
24VDC 9 Digital Inputs pnp/npn, including 3 high-speed counter, 4 npn Transistor Outputs, may function as high-speed PWM/PTO, 2 relay outputs

Analog, Temperature and Weight/ Strain Measurements

IO-AI4-AO2	IO-PT400	IO-PT4K		
24VDC (power supply) 4 Analog Inputs 12 bit, 0-10V, 0-20mA, 4-20mA, 2 Analog Outputs, 12 bit + sign, ± 10V, 0-20mA, 4-20mA	4 PT100/NI100/NI120 Inputs Range PT100: -58°F ÷ 860°F (-50°C ÷ 460°C) Range NI100: -58°F ÷ 449°F (-50°C ÷ 232°C) Range NI120: -58°F ÷ 341°F (-50°C ÷ 172°C) 12 bit	4 PT1000/NI1000 Inputs Range PT1000: -58°F ÷ 860°F (-50°C ÷ 460°C) Range NI1000: -58°F ÷ 449°F (-50°C ÷ 232°C) 12 bit		
IO-AO6X	IO-LC1 ⁴	IO-LC3 ⁴	IO-ATC8	IO-AI8
24VDC (power supply) 6 Isolated Analog Outputs 0-10V, 0-20mA, 4-20mA 12 bit	12/24VDC (Power Supply) 1-3 Loadcell / Strain gauge Inputs Input voltage ranges: ± 20mV, ± 80mV Excitation: AC/DC 1 Digital pnp Input 2 pnp Outputs Not supported by all OPLCs™		8 Thermocouple/ Analog Inputs T/C J, K, T, B, E, N, R, S, 0.1° Resolution, 0-10V, 0-20mA, 4-20mA, 12/14 bit	8 Analog Inputs 0 ÷ 10V / 0 ÷ 20mA 14 bit 0-10V, 0-20mA, 4-20mA 12/14 bit

I/O Expansion Module Adapters

EX-A2X ¹
Local I/O module adapter. Galvanic isolation. Up to 8 modules may be connected to a single PLC ¹ . Supports both 12/24 VDC
EX-RC1 ^{1,5}
Remote I/O module adapter, via CANbus. Connect multiple adapters to a single PLC; connect up to 8 modules per adapter. Supports both 12/24 VDC.

¹ Number of I/Os may vary according to module

² The EXF-RC15 functions as a node in a Vision UniCAN network and connects to the Vision controller via CANbus and programmed in VisiLogic. The EXF-RC15 cannot be extended as regular I/O unit.

³ The EX90 is housed in an open casing. Only one EX90 can be connected per PLC, as a single expansion module; Expansion adapter not required.

⁴ IO-LCx models are supported by the M91 & Vision series. Not supported by the M90 series.

⁵ Supported by Vision series. Not supported by M91 series.

* Additional 12VDC models are listed on Unitronics web site.

XL Digital/ Analog Modules

IO-D16A3-RO16	IO-D16A3-TO16	EX-D16A3-RO8	EX-D16A3-TO16
24VDC, 16 Digital Inputs pnp/npn, including two High-speed Counters, 3 Analog Inputs, 10 bit, 0-20mA, 4-20mA, 16 Relay Outputs	24VDC, 16 Digital Inputs pnp/npn, including one High-speed Counter, 3 Analog Inputs, 10 bit, 0-20mA, 4-20mA, 15 pnp + 1 pnp/npn Transistor Outputs including 1 HSO	24VDC, built-in Expansion Module Adapter, 16 Digital Inputs, pnp/npn, including two High-speed Counters, 3 Analog Inputs 10 bit, 0-20mA, 4-20mA, 8 Relay Outputs	24VDC, built-in Expansion Module Adapter, 16 Digital Inputs, pnp/npn, including one High-speed Counter, 3 Analog Inputs 10 bit, 0-20mA, 4-20mA, 15 pnp + 1 pnp/npn Transistor Outputs including 1 HSO