

Unitronics 2009

PLC + HMI = Complete Control

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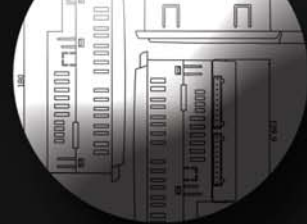
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PLC + HMI = Complete Control

Unitronics designs, manufactures, and markets quality PLCs for the global market.

Easy to use, efficient, and affordable, our products have been automating processes, systems, and stand-alone applications since 1989.

We maintain more than 140 distributors in over 50 countries around the globe, enabling our customers to purchase our products with local marketing support.

Unitronics' field-proven PLCs automate tens of thousands of installations in diverse fields: petrochemical, automotive, food processing, plastic & textile, energy & environment, water & waste water management—anywhere automated processes are required.

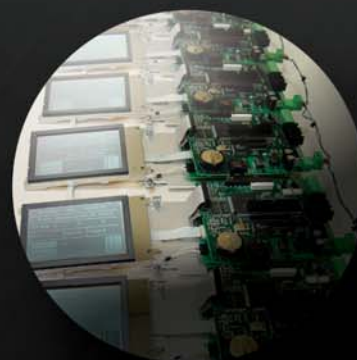
Our clients include: Coca-Cola, General Motors, Michelin, Tupperware, Intel, Bayer, Colgate-Palmolive, Bosch-Rexroth, ABB, Land Instruments, Mercedes, Agfa, Tyson Foods, Pirelli, Fiat, Samsonite.



PLC + HMI = OPLC™

The advantages of Complete Control:

- Reduced programming—a single programming environment for both PLC and HMI applications
- Less wiring, less space required
- Saves I/O points and reduces hardware
- Panel-PLC communication is built-in





Jazz™ Micro-OPLC™

Much more than a "smart relay". Full function PLC & HMI, with up to 40 onboard I/Os, all in one device

Jazz™ Micro-OPLC™

Article Number	JZ10-11-R10	JZ10-11-T10	JZ10-11-R16	JZ10-11-T17	JZ10-11-R31	JZ10-11-T40	New! JZ10-11-UN20 ¹	New! JZ10-11-UA24 ¹	JZ10-11-PT15 ¹	
I/O										
Inputs	6 Digital	6 Digital	6 Digital	6 Digital	16 Digital	16 Digital	9 Digital	9 Digital	3 Digital	
			2 Digital/Analog	2 Digital/Analog	2 Digital/Analog	2 Digital/Analog	2 Digital/Analog	2 Digital/Analog	2 Digital/Analog	3 Digital/Analog
			2 Analog	2 Analog	2 Analog	2 Analog	1 Analog	2 Analog	3 PT1000/NI1000	
Outputs	4 Relay	4 Transistor	6 Relay	7 Transistor	11 Relay	20 Transistor	5 Relay	5 Relay	5 Relay	
			2 Analog	2 Analog	2 Analog	2 Analog	1 PT100/Thermocouple	2 PT100/Thermocouple	1 Transistor	
			2 Analog	2 Analog	2 Analog	2 Analog	2 Analog	2 Analog	2 Analog	
Including High-speed & PWM	2 HSI	2 HSI	2 HSI	2 HSI	2 HSI	2 HSI	1 HSI & 2 PWM	1 HSI & 2 PWM	1 HSI & 1 HSO	
Program										
Ladder Code Memory	24K (virtual)									
Operands	256 coils, 256 registers, 64 timers									
Operator Panel										
Type	STN LCD									
Display Size	2 lines x 16 characters									
Keypad										
Number of Keys	16 keys, 10 of which are user-labeled									
General										
Power Supply	24VDC									
Battery Back-up	10 years typical at 25°C, battery back-up for all memory sections and real-time clock (RTC)									
Environment	IP65/NEMA4X (from panel, when mounted)									
Clock (RTC)	Real-time clock functions (date and time)									

Add-on modules² & accessories

Programming Kit	COM port kit	Program Cloner module	Keypad slide kit
Programming Add-on port (isolated) + software CD Article No.: JZ-PRG	RS232/RS485 Add-on port (isolated) Article No.: JZ-RS4	Copy applications from PLC to PLC Article No.: MJ20-MEM1	Customize the Jazz keypad to your application Article No.: MJ20-JZ-SL1

¹ JZ10-11-UN20, JZ10-11-UA24, JZ10-11-PT15 are not UL certified yet.

² In order to download applications and enable communications, install Jazz™ with an add-on module containing a COM port.



CE/UL

... Replace that "smart-relay" with a real PLC/HMI ...



Jazz™ Series Featuring:

HMI

- Up to 60 user-designed screens
- Multilingual: supports over 15 languages and 20 graphic symbols
- Scroll between pre-programmed recipes/menus

Communication²

- SMS messaging via GSM
- Remote Access utilities
- PC access via MODBUS or OPC server
- MODBUS networking

PLC

- Ladder Logic programming ensures functional flexibility
- Functions include: interrupt, loops, math, store & compare functions
- Time-based control in 3 clicks
- High-speed counters & PWM outputs
- Direct temperature inputs
- Auto-tune PID, up to 4 loops





M91 Micro-OPLC™

**Palm-size PLC + textual HMI
and up to 38 onboard I/Os
(expandable up to 134)**

M91 Micro-OPLC™

Article Number	M91-2-R1	M91-2-R2C	M91-2-R6C	M91-2-R34	M91-2-T1	M91-2-T38	M91-2-T2C	M91-2-UN2	M91-2-UA2	M91-2-RA22
I/O										
Inputs	10 Digital	10 Digital	6 Digital	20 Digital	12 Digital	22 Digital	10 Digital	10 Digital	10 Digital	8 Digital
	1 Analog	2 Analog	6 Analog	2 Analog/ Digital			2 Analog/ Digital	2 PT100/ Thermocouple/ Analog/ Digital	2 Thermocouple/ Analog/ Digital	2 Analog/ Digital 2 PT100/ Thermocouple/ Digital
Outputs	6 Relay	6 Relay	6 Relay	12 Relay	12 Transistor	16 Transistor	12 Transistor	12 Transistor	10 Transistor	8 Relay
									2 Analog	2 Analog
Including High-speed & PWM	3 HSI	3 HSI	1 HSI	3 HSI	2 HSI & 2 PWM	2 HSI & 2 PWM	3 HSI & 2 PWM	2 HSI & 2 PWM	1 HSI & 2 PWM	1 HSI
I/O Expansion	Up to 96 I/Os may be added via I/O expansion port (number of I/Os varies according to expansion module)									
Program										
Ladder code memory (virtual)	36K									
Operands	256 coils, 256 registers, 64 timers									
Database	1024 integers (indirect access)									
Operator Panel										
Type	STN LCD									
Display Size	2 lines x 16 characters									
Keypad										
Number of Keys	15 keys									
General										
Power Supply	12/24VDC	12/24VDC	24VDC	24VDC	12/24VDC	24VDC	12/24VDC	12/24VDC	24VDC	24VDC
Battery Back-up	7 years typical at 25°C, battery back-up for all memory sections and real-time clock (RTC)									
Environment	IP65/NEMA4X (from panel, when mounted)									
Clock (RTC)	Real-time clock functions (date and time)									

* Additional models (M90 models) are listed on Unitronics web site.



... Use the perfect PLC for small applications—and skip panel wiring ...

M91 Series Featuring:

HMI

- Up to 80 user-designed screens
- Multilingual: supports over 15 languages and 20 graphic symbols
- Scroll between pre-programmed recipes/menus
- Info Mode—troubleshoot via the HMI panel

PLC

- Shaft-encoder inputs and PWM outputs
- Direct temperature inputs
- Auto-tune PID, up to 4 loops
- Time-based control in 3 clicks
- Database
- Print utilities
- Full source upload

Communication

- SMS messaging via GSM
- Remote access utilities
- PC access via MODBUS or OPC server
- MODBUS networking
- CANbus via Unitronics' protocol (in C models only)
- RS232/RS485 built-in port





Vision120™ Graphic OPLC™

Small-and-powerful PLC with built-in
Graphic LCD display, keypad, and
onboard I/O (expandable up to 166)

Vision120™ Graphic OPLC™

Article Number	V120-22-R1	V120-22-R2C	V120-22-R6C	V120-22-R34	V120-22-T1	V120-22-T38	V120-22-T2C	V120-22-UN2	V120-22-UA2	V120-22-RA22
Inputs	10 Digital 1 Analog	10 Digital 2 Analog	6 Digital 6 Analog	20 Digital 2 Analog/ Digital	12 Digital	22 Digital	10 Digital 2 Analog/ Digital	10 Digital 2 PT100/ Thermocouple/ Analog/ Digital	10 Digital 2 Thermocouple/ Analog/ Digital	8 Digital 2 Analog/ Digital 2 PT100/ Thermocouple/ Digital
Outputs	6 Relay	6 Relay	6 Relay	12 Relay	12 Transistor	16 Transistor	12 Transistor	12 Transistor	10 Transistor 2 Analog	8 Relay 2 Analog
Including High-Speed & PWM	3 HSI	3 HSI	1 HSI	3 HSI	2 HSI & 2 PWM	2 HSI & 2 PWM	3 HSI & 2 PWM	2 HSI & 2 PWM	1 HSI & 2 PWM	1 HSI
I/O Expansion	Local or remote I/Os may be added via expansion port or via CANbus									
Program										
Application Memory	448K									
Scan Time	48µsec per 1K of typical application									
Operands	4096 coils, 2048 registers, 256 long integers (32 bit), 64 double words (32 bit unsigned), 24 floats, 192 timers (32 bit), 24 counters									
Data Tables	120K dynamic data (recipe parameters, datalogs, etc.), 192K fixed data (read-only data, ingredient names, etc.)									
Operator Panel										
Type	Graphic STN LCD									
Display Resolution & Size	128 x 64 pixels, 2.4"									
Keypad										
Number of Keys	16 keys									
General										
Power Supply	12/24VDC	12/24VDC	24VDC	24VDC	12/24VDC	24VDC	12/24VDC	12/24VDC	24VDC	24VDC
Battery Back-up	7 years typical at 25°C, battery back-up for all memory sections and real-time clock (RTC)									
Environment	IP65/NEMA4X (from panel, when mounted)									
Clock (RTC)	Real-time clock functions (date and time)									

CE/UL

... Palm-sized punch:
power PLC plus graphic HMI ...



Vision 120™ Series Featuring:

HMI

- Up to 255 user-designed screens
- Hundreds of images per application
- HMI graphs & Trends
- Troubleshoot via the HMI panel — no PC needed

Communication

- GPRS/GSM/CDMA enabled
- SMS messaging
- Remote Access utilities
- MODBUS protocol support
- CANbus: CANopen & UniCAN (in C models only)
- 2 RS232/RS485 built-in ports

PLC

- I/O options include high-speed, temperature & weight measurement
- Auto-tune PID, up to 12 independent loops
- Recipe programs and datalogging via Data Tables
- Time-based control in 3 clicks



Vision 130™ Graphic OPLC™

More power & speed in this palm-size PLC with built-in Graphic LCD display, keypad, & onboard I/Os (expandable up to 256)

New!

Article Number	V130-33-B1	V130-33-R2	V130-33-R34	V130-33-R6	V130-33-RA22	V130-33-T2	V130-33-T38	V130-33-TA24
I/O								
Inputs	No onboard I/Os	10 Digital	20 Digital	6 Digital	8 Digital Inputs	10 Digital	20 Digital	8 Digital Inputs
		2 Analog/ Digital	2 Analog/ Digital	2 Analog/ Digital 4 Analog	2 Analog/ Digital 2 PT100/ Thermocouple/ Digital	2 Analog/ Digital	2 Analog/ Digital	2 Analog/ Digital 2 PT100/ Thermocouple/ Digital
Outputs		6 Relay	12 Relay	6 Relay	8 Relay 2 Analog	12 Transistor	16 Transistor	10 Transistor 2 Analog
Including High-speed and PWM		3 HSI	3 HSI	1 HSI	1 HSI	3 HSI & 7 PWM	2 HSI & 7 PWM	1 HSI & 5 PWM
I/O Expansion	Local or remote I/Os may be added via expansion port or via CANbus							
Program								
Application Memory	Application Logic: 512K · Images: 128K · Fonts: 128K							
Scan Time	20µsec per 1K of typical application							
Operands	4096 coils, 2048 registers, 256 long integers (32 bit), 64 double words (32 bit unsigned), 24 floats, 192 timers (32 bit), 24 counters Additional non-retainable operands: 1024 X-bits, 512 X-integers, 255 X-long integers, 64 X-double words							
Data Tables	120K dynamic data (recipe parameters, datalogs, etc.), 192K fixed data (read-only data, ingredient names, etc.)							
SD card (Micro)	Add up to 16GB · Store datalogs, Alarm history, Data Tables, Trend data; export to Excel · Backup Ladder, HMI & OS							
Enhanced Programming Features	Trends: graph any value and display on HMI · String Library: instantly switch HMI language							
Operator Panel								
Type	Graphic STN LCD, White LED Backlight							
Display Resolution & Size	128 x 64 pixels, 2.4"							
Keypad								
Number of Keys	20, including 10 user labeled keys (slide kit sold separately)							
General								
Power Supply	24VDC							
Battery Back-up	7 years typical at 25°C, battery back-up for all memory sections and real-time clock (RTC)							
Environment	IP65/NEMA4X (from panel, when mounted)							
Clock (RTC)	Real-time clock functions (date and time)							

Vision 130™
Graphic OPLC™



CE

... Complex recipe,
TCP/IP environment!
better use Vision130™ ...

Vision130™ Series Featuring:

HMI

- 1024 user-designed screens and 400 images per application
- HMI graphs & Trends
- Text String Library—easy localization
- Troubleshoot via the HMI panel—no PC needed

Communication

- Ethernet via TCP/IP
- Web server: Use built-in HTML pages, or design complex pages to view and edit PLC data via the Internet
- Send e-mail function

PLC

- I/O options include high-speed, temperature & weight measurement
- Auto-tune PID, up to 24 independent loops
- Recipe programs and datalogging via Data Tables
- SD card - log, backup, clone, and more
- Time-based control in 3 clicks

- SMS messaging
- Remote Access utilities
- MODBUS protocol support
- CANbus: CANopen & UniCAN
- Ports: supplied with 1 RS232/RS485; 2 ports may be added:
1 serial/Ethernet and/or 1 CANbus





Vision™ Graphic/Touch OPLC™

Advanced PLCs with an integrated
Operator Panel (graphic or touch),
plus Snap-in & expansion I/Os (up to 256)



	Vision230™	Vision260™	Vision280™	Vision290™	Vision530™
I/O Options					
Snap-in I/O Modules	Plug these modules directly into the back of the Vision unit to create a self-contained PLC with up to 43 I/Os. Inputs may include Digital, Analog and Temperature Measurement. Outputs may include Transistor, Relay or Analog (sold separately)				
I/O Expansion	Local or remote I/Os may be added via expansion port or via CANbus				
Program					
Application Memory	1MB				
Scan Time	30µsec per 1K of typical application				
Operands	4096 coils, 2048 registers, 256 long integers (32 bit), 64 double words (32 bit unsigned), 24 memory floats, 192 timers, 24 counters				
Data Tables	120K dynamic data (recipe parameters, datalogs, etc.), 192K fixed data (read-only data, ingredient names, etc.)				
Operator Panel					
Type	STN LCD	Negative blue, STN LCD	Black & White FSTN LCD		
Display Resolution & Size	128 x 64 pixels 3.2"	240 x 64 pixels 5.4"	320 x 240 pixels (QVGA), 4.7" active area	320 x 240 pixels (QVGA), 5.7" active area	
Touch Screen	None	None	Resistive, Analog		
Number of Keys	24 user labeled keys	33 user labeled keys	27 user labeled keys	Virtual keyboard	
General					
Power Supply	12VDC or 24VDC				
Battery Back-up	7 years typical at 25°C, back-up for all memory sections and real-time clock (RTC)				
Environment	IP65/NEMA4X (for panel, when mounted)				
Article Number	V230-13-B20B	V260-16-B20B	V280-18-B20B	V290-19-B20B	V530-53-B20B

CE/UL

... Powerful
communication options make
the Vision OPLCs™ the natural
choice for distributed-control systems ...

Vision™
Graphic/Touch OPLC™



Vision™ Series Featuring:

HMI

- Up to 255 user-designed screens
- Hundreds of images per application
- HMI graphs & Trends
- Virtual alpha-numeric keypad (in V290 & V530)
- Troubleshoot via the HMI panel — no PC needed



PLC

- I/O options include high-speed, temperature & weight measurement
- Auto-tune PID, up to 12 independent loops
- Recipe programs and datalogging via Data Tables
- Time-based control in 3 clicks

Communication

- Ethernet via TCP/IP
- SMS messaging
- GPRS/GSM/CDMA enabled
- Remote Access utilities
- MODBUS protocol support
- CANbus: CANopen & UniCAN
- Ports: supplied with 1 RS232, 1 RS232/RS485 & 1 CANbus; 1 port may be added for serial/Ethernet





Vision350™ Color OPLC™

Color it beautiful!
Power PLC, Color Touchscreen
& onboard, expandable I/Os (up to 512)

New!

Article Number	V350-35-B1	V350-35-R2	V350-35-R34	V350-35-R6	V350-35-RA22	V350-35-T2	V350-35-T38	V350-35-TA24
Inputs	No onboard I/Os	10 Digital	20 Digital	6 Digital	8 Digital Inputs	10 Digital	20 Digital	8 Digital Inputs
		2 Analog/Digital	2 Analog/Digital	2 Analog/Digital	2 Analog/Digital	2 Analog/Digital	2 Analog/Digital	2 Analog/Digital
				4 Analog	2 PT100/Thermocouple/Digital			2 PT100/Thermocouple/Digital
Outputs		6 Relay	12 Relay	6 Relay	8 Relay	12 Transistor	16 Transistor	10 Transistor
					2 Analog			2 Analog
Including High-speed and PWM		3 HSI	3 HSI	1 HSI	1 HSI	3 HSI & 7 PWM	2 HSI & 7 PWM	1 HSI & 5 PWM
I/O expansion	Local or remote I/Os may be added via expansion port or via CANbus							
Program								
Application Memory	Application Logic: 1MB · Images: 3MB · Fonts: 512K							
Scan Time	15µsec per 1K of typical application							
Operands	8192 coils, 4096 registers, 512 long integers (32 bit), 256 double words (32 bit unsigned), 64 floats, 384 timers (32 bit), 32 counters. Additional non-retainable operands: 1024 X-bits, 512 X-integers, 255 X-long integers, 64 X-double words							
Data Tables	120K dynamic data (recipe parameters, datalogs, etc.), 192K fixed data (read-only data, ingredient names, etc.)							
SD card (Micro)	Add up to 16GB · Store datalogs, Alarm history, Data Tables, Trend data; export to Excel · Backup Ladder, HMI & OS							
Enhanced Programming Features	Trends: graph any value and display on HMI · Built-in Alarm management system · String Library: instantly switch HMI language							
Operator Panel								
Type	TFT LCD							
Colors	256 colors							
Display Resolution & Size	320 x 240 pixels (QVGA), 3.5"							
Touchscreen	Resistive, Analog							
Brightness	Adjustable via touchpanel or software							
Keypad								
Number of Keys	5 programmable keys. Labeling options- function keys, arrows or customized							
General								
Power Supply	24VDC							
Battery Back-up	7 years typical at 25°C, battery back-up for all memory sections and real-time clock (RTC)							
Environment	IP65/NEMA4X (from panel, when mounted)							
Clock (RTC)	Real-time clock functions (date and time)							

Vision350™ Color OPLC™



... The world's smallest PLC
with an integrated Color Touchscreen ...



Color Vision350™ Featuring:

HMI

- 1024 user-designed screens and 250 images per application
- HMI graphs— color-code Trends
- Built-in alarm screens
- Text String Library— easy localization
- Troubleshoot via the HMI panel— no PC needed

Communication

- Ethernet via TCP/IP
- Web server: Use built-in HTML pages, or design complex pages to view and edit PLC data via the Internet
- Send e-mail function
- SMS messaging

PLC

- I/O options include high-speed, temperature & weight measurement
- Auto-tune PID, up to 24 independent loops
- Recipe programs and datalogging via Data Tables
- SD card - log, backup, clone, & more
- Time-based control in 3 clicks

- Remote Access utilities
- MODBUS protocol support
- Ports: supplied with 1 RS232/RS485; 2 ports may be added: 1 serial/Ethernet and/or 1 CANbus





Color Vision570™ Series Featuring:

HMI

- Up to 1024 user-designed screens
- 500 images per application
- HMI graphs - color-code Trends
- Built-in alarm screens
- Text String Library—easy localization
- Virtual alpha-numeric keypad
- Troubleshoot via the HMI panel—no PC needed

PLC

- I/O options include high-speed, temperature & weight measurement
- Auto-tune PID, up to 24 independent loops
- Recipe programs and datalogging via Data Tables
- SD card - log, backup, clone, & more
- Time-based control in 3 clicks

Communication

- Ethernet via TCP/IP
- Web server: Use built-in HTML pages, or design complex pages to view and edit PLC data via the Internet
 - Send e-mail function
 - SMS messaging
 - GPRS/GSM/CDMA enabled
 - Remote Access utilities
 - MODBUS protocol support
 - CANbus: CANopen & UniCAN
 - Ports: supplied with 2 isolated RS232/RS485 & 1 CANbus; 1 port may be added for serial/Ethernet





I/O Expansion Modules

Expand your system with local or remote I/O expansion modules¹. Vision series support both local & remote I/O modules. M90/M91² support local modules only.

Digital Modules

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	
12/24VDC 16 pnp Transistor Outputs	24VDC (power supply) 8 Relay Outputs	24VDC (power supply) 16 Relay Outputs	110/220 VAC 8 AC Inputs	



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: -50°C ÷ 460°C (-58°F ÷ 860°F) Range NI100: -50°C ÷ 232°C (-58°F ÷ 449°F) Range NI120: -50°C ÷ 172°C (-58°F ÷ 341°F) 12 bit	4 PT1000/NI1000 Inputs, Range PT1000: -50°C ÷ 460°C (-58°F ÷ 860°F) Range NI1000: -50°C ÷ 232°C (-58°F ÷ 449°F) 12 bit	
IO-AO6X	IO-LC1 ⁴	IO-LC3 ⁴	IO-ATC8
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 Setpoint pnp Outputs Not supported by all OPLCs™		8 Thermocouple/ Analog Inputs, T/C J, K, T, B, E, N, R, S, 0.1 ^o Resolution, 0-10V, 0-20mA, 4-20mA, 12/14 bit

XL Digital/ Analog Modules

IO-D16A3-RO16 ⁵
24VDC 16 Digital Inputs pnp/npn, including two High-speed Counters 3 Analog Inputs 10 bit, 0-20mA, 4-20mA, 16 Relay Outputs
IO-D16A3-TO16 ⁵
24VDC 16 Digital Inputs pnp/npn, including one High-speed Counters 3 Analog Inputs 10 bit, 0-20mA, 4-20mA 15 pnp + 1 pnp/npn Transistor Outputs including 1 HSO

New!

New!

I/O Expansion Module Adapters

EX-A1	EX-RC1 ⁶
Local I/O module adapter. Up to 8 modules may be connected to a single PLC ¹ . Supports both 12/24 VDC	Remote I/O module adapter, via CANbus. Multiple adapters may be connected to a single PLC, with up to 8 modules to each adapter ¹ . Supports both 12/24 VDC.

¹ Number of I/Os may vary according to module

² Except for M90-19-B1A

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 XL expansion modules will be available in spring 2009. Not yet UL certified.

⁶ EX-RC1 is supported by Vision series. Not supported by M91 series. Not yet UL certified.

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

Snap-in I/O Modules

Plug a Snap-in module directly into the back of a Vision PLC. Compatible with all V200 & V500 (V2XX, V5XX) Vision models.



New!

V200-18-E1B	V200-18-E2B	V200-18-E3XB	V200-18-E4XB	V200-18-E5B	V200-18-E6B ¹
16 isolated Digital Inputs (including 2 Shaft-encoder Inputs)	16 isolated Digital Inputs (including 2 Shaft-encoder Inputs)	18 isolated Digital Inputs (including 2 Shaft-encoder Inputs)	18 isolated Digital Inputs (including 2 Shaft-encoder Inputs)	18 isolated Digital Inputs (including 2 Shaft-encoder Inputs)	18 isolated Digital Inputs (including 2 Shaft-encoder Inputs)
3 Analog Inputs	2 Analog Inputs	4 isolated Thermocouple/PT100/ Analog Inputs	4 isolated Thermocouple/PT100/ Analog Inputs	3 Analog Inputs	3 Analog Inputs
4 isolated Transistor Outputs (including 2 High-speed Outputs)	4 isolated Transistor Outputs (including 2 High-speed Outputs)	2 isolated Transistor Outputs (including 2 High-speed Outputs)	17 isolated Transistor Outputs (including 2 High-speed Outputs)	17 isolated Transistor Outputs (including 2 High-speed Outputs)	2 Thermocouple/PT100/ Analog Inputs
10 isolated Relay Outputs	10 isolated Relay Outputs	15 isolated Relay Outputs	4 isolated Analog Outputs		2 isolated Transistor Outputs (including 2 High-speed Outputs)
	2 Analog Outputs	4 isolated Analog Outputs			15 isolated Relay Outputs
					2 isolated Analog Outputs

¹ V200-18-E6B is not yet UL certified

Additional COM Module

Use these modules to enhance Vision's communication capabilities¹

1 Ethernet port	1 RS232/RS485 port	1 isolated RS232/RS485 port	1 CANbus port
V100-17-ET2 ² (for V130 & V350 series)	V100-17-RS4 ² (for V130 & V350 series)	V100-17-RS4X ² (for V130 & V350 series)	V100-17-CAN ² (for V130 & V350 series)
V200-19-ET1 (for V200 & V500 series)	V200-19-RS4 (for V200 & V500 series)	V200-19-RS4-X (for V200 & V500 series)	

¹ V200/V500: 1 optional port, V130/V350: 1 optional port for serial or Ethernet & 1 optional port for CANbus

² V100-17-ET2, V100-17-RS4, V100-17-RS4X & V200-17-CAN are not yet UL certified

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