

**XC201 Modular PLCs**

Order backplane, terminals and battery accessories separately.

- 24 Vdc input supply
- Real time clock
- Expandable with 15 XIOC modules
- 8 digital inputs
- 2 interrupt inputs
- Incremental encoder inputs
- High speed counter (50 kHz) inputs
- 6 digital outputs
- Ethernet and RS-232 interface for programming and communication
- CANopen interface (1 MB)
- Slot for SD memory card
- USB interface
- RUN/STOP switch and LED indicators
- Built-in Web server on XV models

**XC201**



**XC201 Modular PLCs**

Program Memory Size	Cycle Time ①	Ethernet	CANopen	Serial Interface	Web Server	Pkg. Qty.	Style Number	Catalog Number
256 kB	<0.15 ms	✓	1	1, RS-232	—	1	262155	<b>XC-CPU201-EC256K</b>
2 MB	<0.15 ms	✓	1	1, RS-232	—	1	262157	<b>XC-CPU201-EC512K</b>
256 kB Integrated web server	<0.15 ms	✓	1	1, RS-232	✓	1	262156	<b>XC-CPU201-EC256K-XV</b>
2 MB Integrated web server	<0.15 ms	✓	1	1, RS-232	✓	1	262158	<b>XC-CPU201-EC512K-XV</b>

**XC202 Modular PLCs**

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**XC202**



**XC202 Modular PLCs**

Program Memory Size	Cycle Time ①	Ethernet	CANopen	Serial Interface	Web Server	Pkg. Qty.	Style Number	Catalog Number
4 MB Integrated web server	<0.025 ms	✓	1	1, RS-232	✓	1	134238	<b>XC-CPU202-EC4M-XV</b>

**XIOC Expansion Modules**

Order screw, spring-cage terminals or 40-pin connector cable for 32 I/O modules separately.

- 8, 16 and 32 input modules
- 8, 16 and 32 output modules
- User configurable input/output module
- Isolated relay output module

**XIOC—Digital**



**XIOC Digital Expansion Modules**

Description	Pkg. Qty.	Style Number	Catalog Number
8 inputs, 24 Vdc	1	257891	<b>XIOC-8DI</b>
16 inputs, 24 Vdc	1	257892	<b>XIOC-16DI</b>
32 inputs, 24 Vdc	1	267411	<b>XIOC-32DI</b>
8 outputs, 24 Vdc, 0.3A	1	257894	<b>XIOC-8DO</b>
16 outputs, 24 Vdc, 0.3A	1	257896	<b>XIOC-16DO</b>
16 outputs, 24 Vdc, 0.8A, short-circuit protected	1	257895	<b>XIOC-16DO-S</b>
16 terminals, 4 inputs, 12 configurable as inputs/outputs, 24 Vdc—outputs 0.5A	1	262322	<b>XIOC-16DX</b>
32 outputs, 24 Vdc, 0.2A	1	267413	<b>XIOC-32DO</b>
12 relay outputs, isolated	1	257897	<b>XIOC-12DO-R</b>

**Note**

① Cycle time per 1k of instructions.

**XIOC Digital Input Modules**

Description	Unit	XIOC-8DI	XIOC-16DI	XIOC-32DI
<b>Modules</b>				
Input type		DC input	DC input	DC input
Input voltage	Vdc	24	24	24
Permissible range	Vdc	20.4–28.8	20.4–28.8	20.4–28.8
Input voltage	Vac	—	—	—
Permissible range	Vac	—	—	—
Input resistance		Normally 3.5 kohm	Normally 5.9 kohm	Normally 5.6 kohm
Input current	mA	Normally 6.9	Normally 4.0	Normally 4.3
Voltage level to IEC 61131-2, limit value type 1				
ON	Vdc	≥15	≥15	≥15
OFF	Vdc	≤5	≤5	≤5
Input delay				
OFF → ON	ms	5 (normally 4)	5 (normally 4)	5 (normally 4)
OFF → ON	ms	5 (normally 4)	5 (normally 4)	5 (normally 4)
Input channels	Number	8	16	32
Channels with the same reference potential	Number	8	16	32
Potential isolation		With optocouplers	With optocouplers	With optocouplers
Indication		LED (green)	LED (green)	16 LEDs (green), switchable: 0–15, 16–31
Terminals		Plug-in terminal block	Plug-in terminal block	XIOC-TERM32 (connector and cable)
Internal current consumption (5 Vdc)	mA	Normally 26	Normally 51	Normally 100
Weight	kg	0.16	0.16	0.16

**XIOC Digital Output Modules**

Description	Unit	XIOC-8DO	XIOC-16DO	XIOC-16DO-S	XIOC-32DO
<b>Modules</b>					
Output type		Transistor (source type)	Transistor (source type)	Transistor (source type)	Transistor (source type)
Output voltage	Vdc	24 (–15 to +20%)	24 (–15 to +20%)	24 (–15 to +20%)	24 (–15 to +20%)
Switching current, minimum	mA	1	1	1	1
Leakage current	mA	0.1	0.1	0.1	0.1
Maximum load current					
Per circuit	A	0.3	0.3	0.8	0.2
Per common potential terminal	A	2.4	4	5	3.2
Output delay					
OFF → ON	ms	≤0.3	≤0.3	≤0.3	≤0.3
OFF → ON	ms	≤1	≤1	≤1	≤1
Output channels	Number	8	16	16	32
Channels with the same reference potential	Number	8	16	16	32
Overvoltage protection		Diode	Diode	Integrated	Diode
Fuse rating	A	4	8	None	8
Potential isolation		With optocouplers	With optocouplers	With optocouplers	With optocouplers
Indication		LED (green)	LED (green)	LED (green)	16 LEDs (green) switchable: 0–15, 16–31
Terminals		Plug-in terminal block	Plug-in terminal block	Plug-in terminal block	XIOC-TERM32 (connector and cable)
Internal current consumption (5 Vdc)	mA	Normally 30	Normally 50	Normally 50	Normally 250
External voltage for outputs/module (30 mA for module supply) (U <sub>s</sub> )	Vdc	24 (–15 to +20%)	24 (–15 to +20%)	24 (–15 to +20%)	24 (–15 to +20%)
Short-circuit protection		—	—	Yes	—
Weight	kg	0.16	0.16	0.16	0.16