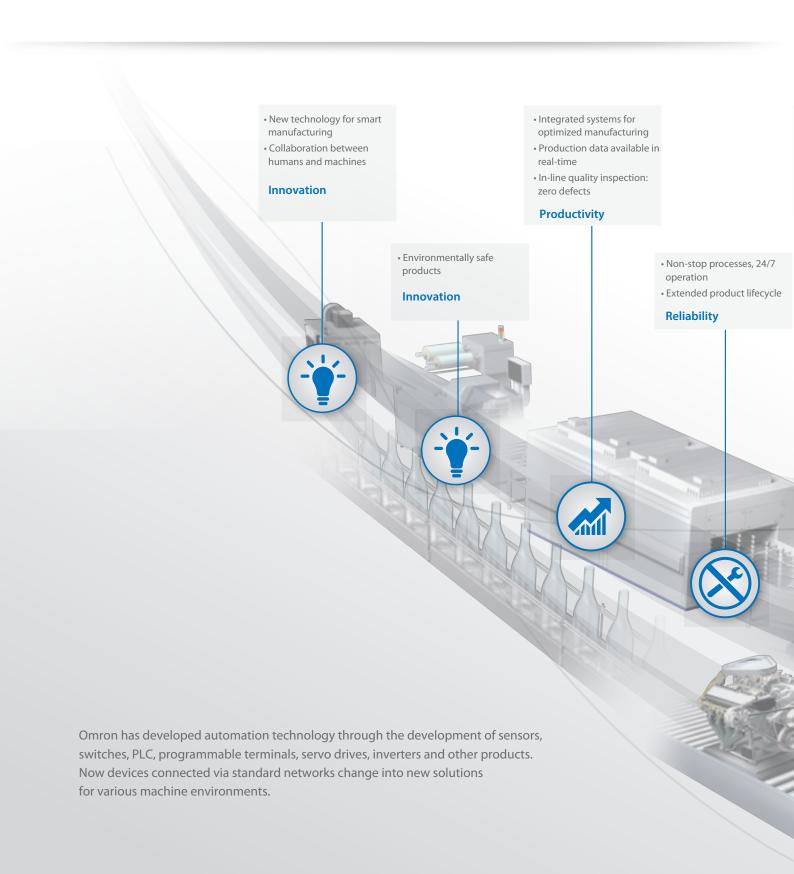


Controllers ideal for all machines

FA Controller Catalog



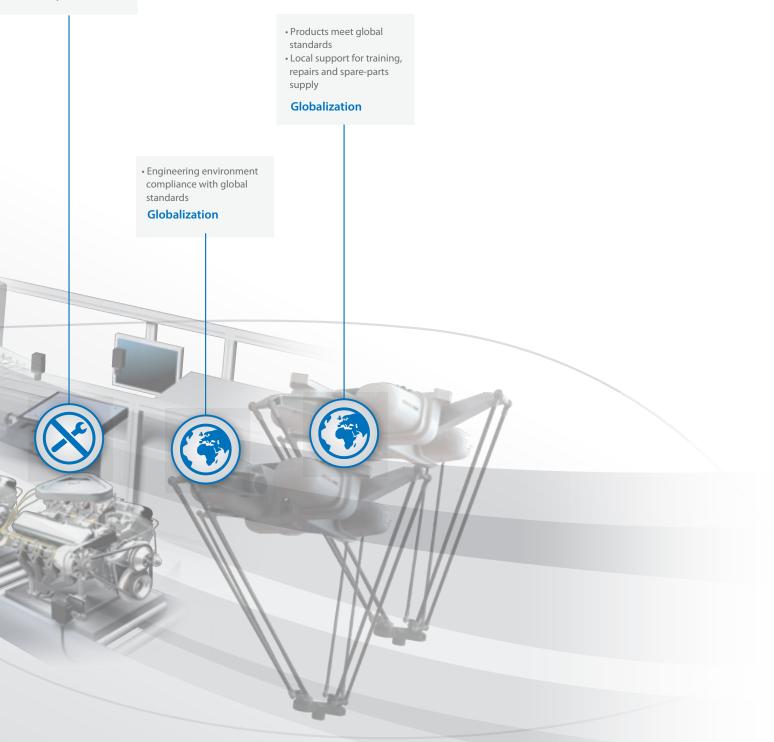
Controllers ideal for all machines



- Quick product changeovers Openness and third party connectivity

 • Scalable systems for
- optimum solutions

Flexibility



Controllers ideal for all machines

The cost-effective CP Series and complete, robust NJ/NX/NY Series support from simple machine control through to large production line control and plant management.

The controllers not only help reduce programming, set-up and maintenance times, but also enable fast and accurate fine-tuning control, quality traceability, predictive maintenance, preventive maintenance, and remote maintenance.



The Machine Automation Controller integrates logic, motion, safety, vision, information, visualization and networking under one software: Sysmac Studio. This one software provides a true Integrated Development Environment (IDE) that also includes a custom 3D motion simulation tool.

The machine controller comes standard with built-in EtherCAT and EtherNet/IP. The two networks with one connection purpose is the perfect match between fast real time machine control and data plant management.





Omron's Industrial PC Platform includes the Industrial Box PC, Industrial Panel PC, and Industrial Monitor.

Choose from four different types of products to suit your system:

- Industrial PC comes equipped with Windows operating systems
- IPC Machine Controller combines the precision and utility of the Sysmac platform with the versatility and range of Windows programs
- IPC RTOS Controller comes equipped with real-time operating systems for realtime control
- IPC Programmable Multi-Axis Controller performs predictable motion control while running intensive data-handling applications







This series supports a wide variety of communication interface including Ether- Net/IP^{TM} .

Providing the high-speed processing capability to perform precise linear motor drive control and nanometer positioning that require ultra fast responses, it is appreciated by manufacturers of semiconductor manufacturing equipment and

other products employing leading-edge technologies.

The FA Integrated Tool Package CX-One makes programming and debugging faster and easier. The PLC is suitable for small to medium machines - from simple stand-alone applications up to networked, high-speed machines. It is built to give you innovation without growing pains.





The CP Series provides a complete product line-up to automate compact machines and perform any other simple automation tasks, quickly and easily. Connect the HMI, servo drives, inverters, temperature controllers and other devices to create a more cost-effective system.



A fully integrated platform











The Machine Automation Controller integrates logic, motion, safety, vision, information, visualization and networking under one software: Sysmac Studio.

Features

- Complete integration of motion and logic
- A large selection of CPU Units for up to 256 axes
- Fully conforms with IEC 61131-3 standards
- PLCopen Function Blocks for Motion Control
- Linear and circular interpolation
- Electronic gear and cam synchronization
- Integrated Development Environment provided by Sysmac Studio





Standard networks

■ Built-in EtherCAT and EtherNet/IP ports

- EtherCAT: High-speed network to connect a wide range of machine automation devices such as I/O, sensors and drives. Fast, highly accurate control in synchronization with the EtherCAT cycle. Up to 512
- EtherNet/IP: Based on standard protocols (TCP/IP and UDP/IP). Allows for mixing Ethernet devices and **Ethernet applications**

Safety integration

■ Flexible system lets you integrate safety into machine automation through the use of Safety over EtherCAT (FSoE). Sysmac Studio reduces programming time

NJ CPU Unit with advanced functionality

- Database Connection: Logs real-time data from production lines directly into SQL Databases. This enables predictive/preventive maintenance and quality traceability
- Robotics: Controls parallel link robots
- SECS/GEM: Built-in SECS/GEM communications functions
- NC Integrated Controller: Realize high-accuracy synchronization motion control (MC) and numerical control (NC) functions by ONE controller. G-Code available.

IPC Programmable Multi-Axis Controller

Advanced motion control and networks for onsite IoT in a compact entry modelRobotics: Controls parallel link robots ■ Built-in I/O. Up to 8 NX Units can be mounted

NX1P2 Machine Automation Controller

Advanced motion control and networks for onsite IoT in a compact entry model Built-in I/O. Up to 8 NX Units can be mounted

What's new

Fastest cycle time
Number of motion control
EtherCAT slaves
Motion core



Integrates configuration of the NJ/NX Machine Automation Controller and EtherCAT slaves, programming, debugging, and monitoring



Please download it from following URL and install to Sysmac Studio.

http://www.ia.omron.com/sysmac_library/



Sysmac Studio

Enhanced scalability. Choose the most suitable CPU for your application!

	NX7	NJ5	NJ3	NJ1	NX1P
	125 μs	500 μs	500 μs	1 ms	2 ms
es	256, 128 axes	64, 32 16 axes	8, 4 axes	2, 0 axes	4, 2, 0 axes*
	512	192	192	64	16
	Two synchronized motion core	Synchronized motion core	Synchronized motion core	Synchronized motion core	Synchronized motion core

Note: Refer to NJ/NX Catalog (Cat. No.P089) and NX1P Datasheet (Cat. No.P116). * Motion control axes and 4 single-axis position control axes.



NJ/NX Series Controller Catalog ·P089

NX1P Catalog

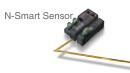
·P115

Openness meets Automation Control









Omron's Industrial PC Platform includes the Industrial Box PC, Industrial Panel PC, and Industrial Monitor. Choose from four different types of products to suit your system.

Features

- Industrial Box PC: Powerful, reliable, scalable
- Industrial Panel PC: Combines the functionality of the Industrial Box PC and Industrial Monitor
- Industrial Monitor: Display and touch interface for the industrial PC platform
- Powerful performance maximize output
- Rock-solid build improve uptime
- Real-time OS inside reliable machine control







Industrial PC

■ Windows IPC. Powerful, reliable, scalable - and tough as they come

IPC Machine Controller

- Combines the precision and utility of the Sysmac platform with the versatility and range of Windows programs
- Automation Software Sysmac Studio: Integrates configuration of the machine automation controller and EtherCAT slaves, programming, debugging, and monitoring
- NC integrated models: Integrate NY-series IPC Machine Controller with Numerical Control (NC) functions.
- Collection of software functional components Sysmac Library: Simplicity for advanced control. Available to download from Omron website and install to the Sysmac Studio http://www.ia.omron.com/sysmac_library/



IPC RTOS Controller

Real-time operating systems. Enables you to program own real-time control of your machine functionality and at the same time executing advanced data processing tasks

IPC Programmable Multi-Axis Controller

 $\blacksquare \ \, \text{Offers exceptionally precise motion control, with proven technology from Omron's Delta Tau Data Systems, Inc.,}$ delivering world-beating*1 output speeds. It comes equipped with Windows real-time operating systems which, combined with powerful control capability, provides exceptional flexibility. It also enables the creation of high-resolution graphics as well as customized applications for high-end production requirements.

What's new



^{*1.} Motion control performance of 16.6 μs/1 axis or 50 μs/8 axes (Omron survey as of July 2016)





Industrial PC Platform Catalog ·P118



High-speed, high-precision motion controller





Programmable Multi-Axis Controller CK3E



Industrial PC Platform IPC Programmable Multi-Axis Controller NY51 🗆 -A

OMRON and OMRON's Delta Tau Data Systems, Inc. (DT) worked together to develop the multi-axis controllers with global leading motion control technology from DT. The multi-axis controller achieves sophisticated fine-tuning control, including high-speed synchronous control of various factory automation (FA) devices, thanks to built-in EtherCAT connectivity which is used for production lines and equipment all over the world. Its development environment allows users to program their own motion algorithms and motion control functions, such as trajectory calculation and position compensation, in C and original programming languages.

Features

- CAD/CAM for easy motion control
- I Flexible function development capability enables high-precision curve machining
- G-Code/ANSI C/original programming language
- EtherCAT for flexible system configuration
- Advanced motion control

CK3E Programmable Multi-Axis Controller

■ You can build a system capable of controlling up to 32 axes of motion and incorporate customized control algorithms into the system. The compact design saves space in machines and control panels. EtherCAT® connects servo drives, I/O, and other devices to the CK3E, reducing the number of cables.

Industrial PC Platform IPC Programmable Multi-Axis Controller

Comes equipped with Windows real-time operating systems which, combined with powerful control capability, provides exceptional flexibility. It also enables the creation of high-resolution graphics as well as customized applications for high-end production requirements.

What's new

Programmable Multi-Axis Controller

The Programmable Multi-Axis Controller has been developed by US-based Delta Tau Data Systems, Inc. to deliver the world's highest level* of motion control performance. Providing the high-speed processing capability to perform precise linear motor drive control and nanometer positioning that require ultra fast responses, the Programmable Multi-Axis Controller is appreciated by manufacturers of semiconductor manufacturing equipment and other products employing leading-edgetechnologies. Through working together with Delta Tau Data Systems which joined the Omron Group on September 1 2015, Omron will further advance automation technologies in an ever-changing manufacturing environment to help manufacturers improve productivity and manufacturing quality.

Make Flexible & Innovative





SCARA robot pick and place



Electronic manufacturing equipment

CK3E Programmable Multi-Axis Controller Flyer

Industrial PC Platform Catalog

PMAC Series Catalog R192



A wide range of PLC and I/O brings innovation to your machines and reduces costs

Faster and larger networks, a wide variety of communication interfaces







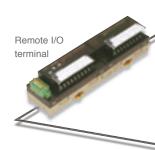
The PLC is suitable for small to medium machines - from simple stand-alone applications up to networked, high-speed machines. It is built to give you innovation without growing pains.



- Supports open networks including EtherNet/IP, EtherCAT, FL-net, DeviceNet and CompoNet
- Efficient programming with variables and EtherNet/IP setting with variable names make the configuration more flexible
- A wide range of CPU units and I/O units to suit your needs



Temperature controller



Device Net CompoNet[®]

Open to the world

- Data communication via standard Ethernet port with EtherNet/IP Data Link function
- Increased EtherNet/IP performance to 12,000 pps*1
- High-speed I/O link based on EtherCAT enables distributed control using multiple CPU units

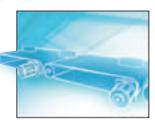
Advanced motion control

- Multi-axes synchronous control
- Can replace expensive motion controllers

■ Faster program execution and immediate I/O refreshing for flexible machine control

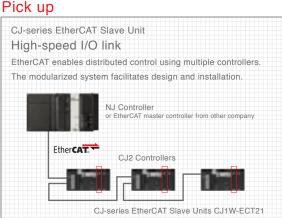
Highly flexible

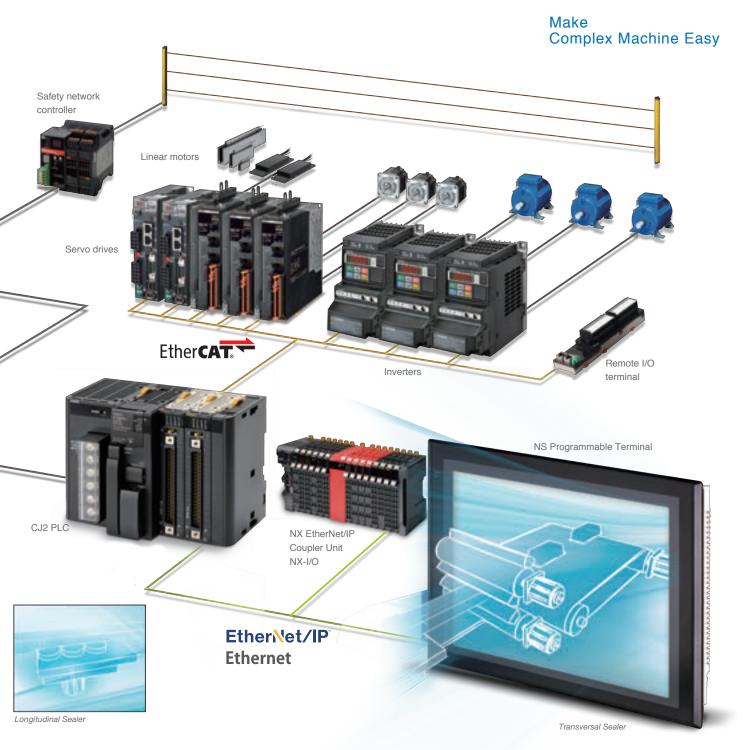
Adapt the PLC unit to your needs with the wide variety of compatible CJ1 I/O Units

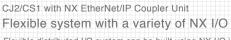


Main conveyor

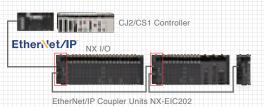








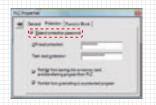
Flexible distributed I/O system can be built using NX I/O in the CJ2/CS1 system. This allows you to save space and to flexibly respond to changes in machine specifications.



CS/CJ/CP-series CPU Unit

16-character password to keep your assets secure

The number of characters in each password for UM read protection and task read protection is increased from 8 to 16. This improves the security of your design assets.





CJ2 Catalog ·P059 CS1 Catalog ·P047

More cost-effective automation for compact machines

Simple, Compact, Economical





The CP Series provides a complete product line-up to automate compact machines and perform any other simple automation tasks, quickly and easily.

Features

■ 10 to 60 I/O base models, expandable to 320 I/O points

Digital, analog and temperature sensor I/O expansion units

■ Up to 4 high-speed pulse outputs and up to 6 high-speed counter inputs

Excellent communication capabilities for both serial and Ethernet networking

Powerful instructions common within the CJ Series

Easy positioning, quick results

■ Easy control: Speed control, positioning, origin search and interrupt feeding

■ Modbus Master feature for easy inverter control

Saving programming time

■ Ladder diagram, Function Blocks*1 or Structured Text*1 programming

Versatile communication

■ USB or Ethernet port*2 – no special cables needed

■ Communication with Temperature Controller E5

C without special programs

Optional boards for RS-232C, RS-485 or Ethernet

More options - greater possibilities!

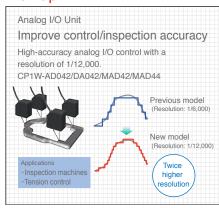
Analog I/O unit with a resolution of 1/12,000 for high-accuracy inspections

■ One multi-input unit for both temperature and analog control of a packaging machine or molding machine

Analog option boards helps save space



Pick up

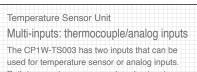


^{*1.} CP1H and CP1L only

^{*2.} CP1L-EM/EL only.

Make **Complex Machine Easy**







erature sensor/analog input Vacuum packaging machines
 Sterilization equipment

Analog I/O Unit/Temperature Sensor Unit For a wide variety of applications

The unit with multiple analog I/O or with multiple temperature sensor inputs provides more scalability and flexibility.





CP1 Catalog · P082

CP1E Catalog · P060

Controllers Selection

Omron offers a wide range of FA Controllers to suit your automation applications - from simple control to complex, highly accurate control.

Series		NJ/NX Series				
Product	name	NX701 CPU Units	NJ501 CPU Units	NJ301 CPU Units	NJ101 CPU Units	
Model		NX701	NJ501-1 🔲 🔲	NJ301-1	NJ101 - 🗆 🗆 🗆	
Appeara	ince					
CPU Un	it features	Ideal for large-scale, fast, and highly-accurate control with up to 256 axes	Ideal for large-scale, fast, and highly-accurate control with up to 64 axes	Ideal for small-scale control with up to eight axes	Ideal for simple machines	
Support	software	Sysmac Studio	Sysmac Studio	Sysmac Studio	Sysmac Studio	
Instruction	LOAD instructions	0.37 ns or more	1.1 ns (1.7 ns or less)	2.0 ns (3.0 ns or less)	3.3 ns (5.0 ns or less)	
execution times	Math instructions (for Long Real Data)	3.2 ns or more	24 ns or more	42 ns or more	70 ns or more	
Program	capacity	80MB	20MB	5MB	3MB	
Variable	s capacity	4 MB: Retain attribute 256 MB: No Retain attribute	2 MB: Retain attribute 4 MB: No Retain attribute	0.5 MB: Retain attribute 2 MB: No Retain attribute	0.5 MB: Retain attribute 2 MB: No Retain attribute	
configur.	city/Max. no. of ation Units ion Racks)		2,560 points/40 Units (3 Expansion Racks)	2,560 points/40 Units (3 Expansion Racks)	2,560 points/40 Units (3 Expansion Racks)	
Number	of motion axes	128 or 256	16, 32 or 64	4 or 8	0 or 2	
Number of EtherCAT slaves		512	192	192	64	
Database connection						
Number of controlled robots						
SECS/GEM communications						
Numeric	al Control Functions					
External	memory	Memory Cards	Memory Cards	Memory Cards	Memory Cards	
CJ Special I/O Units and CPU Bus Units			Mountable *2	Mountable *2	Mountable *2	

Industrial PC Platform Product name Industrial PC IPC Machine Controller Industrial Box PC Industrial Panel PC Туре Industrial Box PC Industrial Panel PC NY53 -1/NY53 -5 Model NYB Appearance Compact design that offers flexibility, expandability and easy maintenance for applications in factory automation Features Two operating systems: Windows and Real-Time OS Industrial Box PC and Industrial environments No operating system Windows Embedded Standard 7 - 32 bit Windows Embedded Standard 7 - 64 bit Operating system Windows Embedded Standard 7 - 64 bit * Windows 10 IoT Enterprise LTSB - 64 bit Machine Automation Control Software or Function module Machine Automation Control Software Machine Automation Control Software + NC Number of axes 16, 32, 64 Intel® Core™ i7-4700EQ Processor 4th generation CPU with Fan Unit for active cooling Intel® Core™ i5-4300U Processor 4th generation CPU with fanless cooling Intel® Celeron® 2980U Processor 4th generation CPU with fanless cooling Intel® Core™ i7-4700EQ Processor 4th generation CPU with Fan Unit for CPU type active cooling RAM memory (non-ECC type) 2 GB, 4 GB, 8 GB, 16 GB 8 GB Storage HDD, SSD, SD memory card HDD, SSD, SD memory card 12.1 inches, 15.4 inches 12.1 inches, 15.4 inches Display size Built-in ports Ethernet, USB 2.0/3.0, DVI Ethernet, EtherNet/IP, EtherCAT, USB 2.0/3.0, DVI Interface option RS-232C, DVI-D, NY Monitor Link RS-232C, DVI-D, NY Monitor Link 1 PCIe slot 1 PCIe slot Expansion slots

^{*} For the 32 bit version, consult your OMRON sales representative.

		NJ/NX Serie	29			
	NJ-series	NJ-series	NJ-series			
NX1P2 CPU Units	NJ-series Database Connection CPU Units		Robotics CPU Units	SECS/GEM CPU Units	NC Integrated Controller	
NX1P2	NJ501-1□20	NJ101-□□20	NJ501-4 🗌 🔲 🗌	NJ501- 🗌 4 🗍	NJ501-5300	
Compact package-type machine automation controller	Controller directly connectable t	o database	Parallel link robot control function in addition to machine control	Built-in SECS/GEM communications functions	Realize high-accuracy synchronization motion control (MC) and numerical control (NC) functions by ONE controller.	
Sysmac Studio	Sysmac Studio		Sysmac Studio	Sysmac Studio SECS/GEM Configurator	Sysmac Studio CNC Operator	
3.3 ns	1.1 ns (1.7 ns or less)	3.3 ns (5.0 ns or less)	1.1 ns (1.7 ns or less)	1.1 ns (1.7 ns or less)	1.1 ns (1.7 ns or less)	
70 ns or more	24 ns or more	70 ns or more	24 ns or more	24 ns or more	24 ns or more	
1.5MB	20MB	3MB	20MB	20MB	20MB	
32 kB: Retain attribute 2 MB: No Retain attribute	2 MB: Retain attribute 4 MB: No Retain attribute	0.5 MB: Retain attribute 2 MB: No Retain attribute	2 MB: Retain attribute 4 MB: No Retain attribute	2 MB: Retain attribute 4 MB: No Retain attribute	2 MB: Retain attribute 4 MB: No Retain attribute	
2,560 points/40 Units (8 NX Units can be connected)	2,560 points/40 Units (3 Expansion Racks)		2,560 points/40 Units (3 Expansion Racks)	2,560 points/40 Units (3 Expansion Racks)	2,560 points/40 Units (3 Expansion Racks)	
0 *1, 2 or 4	16, 32 or 64	2 or 0	16, 32 or 64	16, 32 or 64	16 *2	
16	192	64	192	192	192	
	Provided		Provided (NJ501-4320 only)			
			8 max. *3			
				Provided		
					Provided	
Memory Cards	Memory Cards		Memory Cards	Memory Cards	Memory Cards	
	Mountable *4		Mountable *4	Mountable *4	Mountable *4	
*1. Motion control axes and 4 single-axis position control						

- *1. Motion control axes and 4 single-axis position control
 *2. The number of controlled axes of the MC Control Function Module is included.
 *3. The number of controlled robots varies according to the number of axes used for the system.
 *4. For the details of mountable Units, refer to the user's manuals.

IPC Programmable Multi Axis Controller
Industrial Box PC
NY51 □-A
Provides flexibility in the creation of high-resolution graphics and applications and the development of motion control for high-end applications
Windows Embedded Standard 7 - 32 bit Windows Embedded Standard 7 - 64 bit
Programmable Multi Axis Controller
128
Intel® Core™ i7-4700EQ Processor 4th generation CPU with Fan Unit for active cooling
8 GB
SSD, SD memory card
Ethernet, EtherCAT, USB 2.0/3.0, DVI
RS-232C

1 PCIe slot

Product name	Industrial Monitor			
Model	NYM12	NYM15		
Appearance				
Description	Display and touch interface for the Industrial PC Platform			
Display device	TFT LCD			
Screen size	12.1 inches	15.4 inches		
Resolution	Up to 1,280 x 800 pixels at 60 Hz			
Colors	16,770,000 colors			
Connectors	1 Power Connector, 1 DVI-D Connector, 2 USB Type-A Connector, 1 USB Type-B Connector			
Built-in options	NY Monitor Link			
Allowable power supply voltage range	19.2 to 28.8 VDC			

CK3E series

Series	CK3E Series
Model	CK3E
Appearance	
Features	You can build a system capable of controlling up to 32 axes of motion and incorporate customized control algorithms into the system.
Support software	Power PMAC IDE
Memory	DDR3 memory: 1GB, Flash memory: 1GB
Built-in ports	Ethernet, EtherCAT
Number of motion axes	8, 16 or 32
Number of EtherCAT slaves	32

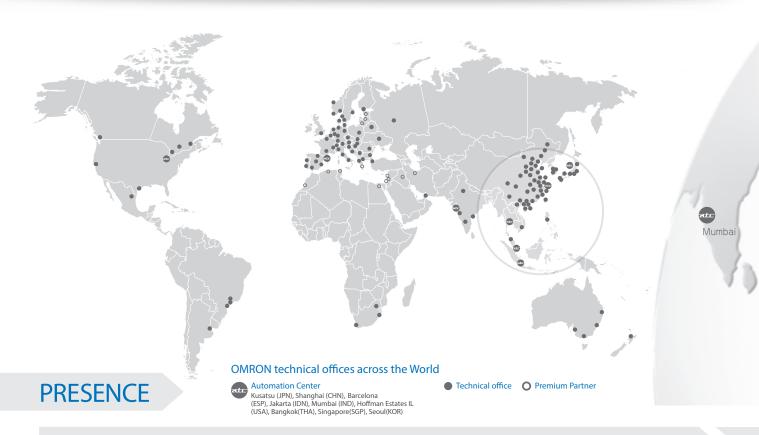
Series		CJ	Series		CS Series	
Model		CJ2H	CJ2M	CS1H/G	CS1D	
Appeara	ance					
CPU Unit features *1		A large data memory capacity, multi-func- tion Ethernet port, tag access function- ality, and a USB port. Ideal for high-speed, high-precision machines	Based on the long track record of the CJ1M and adds greater cost performance and flexibility. Ideal for general-purpose machine control	From machine control to informa- tion management multiple-appli- cation Controllers with a wide range of functions	Redundant CPU Units, Power Supply Units, Communications Units, and Expansion I/O Cables	
		High-speed I/O Units, synchronized control, USB port, built-in Ether-Net/IP port, data structures and arrays, Function Blocks (Ladder diagrams/Structured Text)	High-speed I/O Units, USB port, built-in EtherNet/IP port, data struc- tures and arrays, FB Program Area, Function Blocks (Ladder diagrams/- Structured Text), Serial Communica- tions Option Boards	Up to 5,120 points of I/O, Inner Board capability, Function Blocks (Ladder dia- grams/Structured Text)	Up to 5,120 points of I/O, redundant CPU Units and Power Supply Units, Inner Board capability	
Support software		CX-One	CX-One	CX-One	CX-One	
Instruction execution times (basic instructions)		0.016 μs	0.04 μs	CS1G: 0.04 μs CS1H: 0.02 μs	0.02 μs	
Max. no	. of I/O points	2,560	2,560	960 to 5,120	960 to 5,120	
Progran	n capacity	50K to 400K steps	5K to 60K steps	10K to 250K steps	10K to 250K steps	
Data me	emory capacity	160K to 832K words	64K to 160K words	64K to 448K words (EM Area: 1 to 13 banks)	64K to 448K words (EM Area: 1 to 13 banks)	
	Built-in I/O		32 points *2			
features	Interrupt inputs		8 inputs *2			
	High-speed counter		4 inputs *2			
	Pulse outputs *1		4 outputs *2			
Externa	ıl memory	Memory Cards	Memory Cards	Memory Cards	Memory Cards	
	cial I/O Units U Bus Units	Mountable	Mountable	Mountable (units for CS series)	Mountable (units for CS series)	

^{*1.} These features are not supported by all of the CPU Unit models in the relevant series. Refer to specific product catalogs for details.
*2. Applicable when a Pulse I/O Block is mounted.

Series		CP Series					
Model		CP1H	CP1L	CP1E-N/NA Type	CP1E-E Type		
Appearance							
CPU Unit features *		Four axis position control and compre- hensive model	High performing model with embedded Ethernet for two axis position control	Standard model for HMI connection, two axes position control, and inverter connection	Cost effective performance and easy application with only basic functionality		
		Pulse outputs for up to 4 axes, CP1W Expansion Units can be mounted, easy Modbus-RTU, Serial Communications Option Boards, Ethernet Option Board, CJ-series Special I/O Units and CPU Bus Units can be mounted, Function Blocks (Ladder diagrams/Structured Text), LCD Option Board, analog adjuster, seven-segment LED display (2 digits)	Pulse outputs for up to 2 axes, models with USB port, models with Ethernet communications port, CP1W Expansion Units can be mounted, easy Modbus-RTU, Serial Communications Option Boards, Ethernet Option Board, Function Blocks (Ladder diagrams/Structured Text), LCD Option Board, analog adjuster, Analog I/O Option Boards	Pulse outputs for up to 2 axes, USB port, RS-232C port, CP1W Expansion Units can be mounted, easy Modbus-RTU, Serial Communications Option Boards, Ethernet Option Board, 2 analog adjust- ers	USB port, CP1W Expansion Units can be mounted, 2 analog adjusters		
Support	software	CX-One	CX-One	CX-One	CX-One		
	ion execution times nstructions)	0.10 μs	0.55 μs	1.19 µs	1.19 µs		
Max. no	o. of I/O points	320 points (40 built in + 280 expansion)	180 points (60 built in + 120 expansion)	180 points (60 built in + 120 expansion)	180 points (60 built in + 120 expansion)		
Progran	n capacity	20K steps	5K or 10K steps	8K steps	2K steps		
Data me	emory capacity	32K words	10K or 32K words	8K words	2K words		
	Built-in I/O	20 or 40 points	10 or 60 points	14 or 60 points	10 or 60 points		
Built-in	Interrupt inputs	6 or 8 inputs	2, 4 or 6 inputs	6 inputs	4 or 6 inputs		
features	High-speed counter	4 inputs	4 inputs	4 inputs	5 or 6 inputs		
	Pulse outputs *	4 outputs	2 outputs	2 outputs			
Externa	I memory	Memory Cassettes	Memory Cassettes				
	cial I/O Units U Bus Units	Mountable					

^{*} These features are not supported by all of the CPU Unit models in the relevant series. Refer to specific product catalogs for details.

Service and support



COMPETENCE





Design

Our wi de net work of machine automation specialists will help you to select the right automation architecture and products to meet your requirements. Our flat structure based on expert-to-expert contact ensures that you will have ONE accountable and responsible expert to deal with on your complete project.



Proof of concept

As your project matures make use of our Automation centers to test and catch-up with technology trends in motion, robotics, networking, safety, quality control etc. and to interface, test and validate your complete system with our new machine network (EtherCAT) and factory network (EtherNet/IP).

We will assign a dedicated application engineer to assist with initial programming and proof testing of the critical aspects of your automation system. Our application engineers have indepth expertise in and knowledge of networks, PLCs, motion, safety and HMIs when applied to machine automation.



CONFIDENCE



Development

During your prototyping phase you will need flexibility in technical support, product supply and exchange. We will assign an inside sales contact to help you source the correct products fast during your prototyping phase.



Commissioning

With our world-wide network for service and support the export of your product is made simple, we will support you on-site with your customer, anywhere in the world. We can arrange a liaison sales engineer to facilitate training, spare parts supply or even machine commissioning. All this in a localised language with localised documentation - giving you complete peace of mind.

ASSURANCE



Serial production

As your production increases we will engage in supplying you within 24hrs and repairing within 3 days. All our products are global products meeting global standards - CE, cULus, NK, LR -

Sysmac is a trademark or registered trademark of OMRON Corporation in Japan and other countries for OMRON factory automation products.

Windows, SQL Server and Visual Basic are either registered trademarks or trademarks of Microsoft Corporation in the United Status and/or other countries.

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Safety over EtherCAT® is registered trademark and patented technology, licensed by Beckhoff Automation GmbH, Germany.

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