

CIMON XPANEL

INDUSTRIAL OPERATING TOUCH PANEL





CIMON - XPANEL

PRODUCT PERFORMANCE

HARDWARE PERFORMANCE



High-speed CPU **Aluminum Die-Casted Front Bezel**

processor Improved heat and shock resistance better protect the electrical components Equipped with high-speed industrial CPU. in the unit. (XT10 and larger models)



Extensive Lineup

Available in a wide range of display size, from 4" to 15".



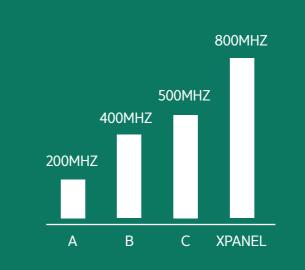
Variety of Interfaces

Includes Ethernet, Serial (RS232/485), USB, and SD card slot options.



Ultrafast CPU Processor

Equipped with high-speed industrial grade CPU which handles complex scripts and graphics processing with ease, adding stability to the system.



Operating Temperature of 0 ~ 60℃

Reliable operation even in extreme conditions allows users to monitor and control their facilities in such regions.



High-Definition Display

A maximum of 16.7M color XGA display allows the expression of delicate and sophisticated details and industrial grade LCD panel generates low power and heat while ensuring full brightness and vividness.



Extreme Durability

All models are IP65 certified, and the front touch screen film is fortified with special formula to add scratch resistance.



PRODUCT PERFORMANCE

SOFTWARE PERFORMANCE







Recipe

A recipe is a collection of data that can be easily changed with the user's pre-defined values. For example, in a cookie production factory that produces different types of cookies, the operator can easily modify the ingredient data values to change between different cookie flavor profiles. The recipe settings can be simply created, modified, or deleted during production. Also, recipe data can be imported and exported during runtime.



Data Logging

Raw data or internal data can be recorded when a certain criterion is met. The data is internally collected in memory blocks or model. The operator can convert the data file into a CSV format. USB memory or SD card can also be connected to the XPANEL, allowing the user to save as much data that the storage unit allows.



Script

Engineers can easily build a program by using a script which is similar to the C language. Scripts allow you to operate various actions, such as opening a page or changing device-settings. Scripts can be triggered and executed in different ways: automatically, manually, periodically, or upon opening/closing of a page.



Schedule

Schedule allows the user to schedule a program to be run at a specific time. Scheduled events can be set to execute every day, week, month, or year, allowing users an easier management of the facility.



Alarm

Alarms are used to monitor data values and to inform the users about specific operating conditions, Alarm information and history can be checked on the display. An unlimited number of alarms can be created and alarms can be categorized into a maximum of 10 groups. Depending on the alarm group, specific scripts can be run to take appropriate actions. Alarm history can also be exported as a CSV file and read with MS Excel. Moreover, alarm messages can appear at the bottom of the screen like a subtitle so that an operator can see the current screen and the alarm message at the same time.



Data Bridge

XPANEL can act as a bridge and allow exchange of data between other devices. Devices that are connected to different Serial ports, or Serial and Ethernet ports can exchange data.



Multilingual Feature

XPANEL supports virtually every language to be displayed on the screen. Also, all fonts provided by Windows can be used.

(*Note: The use of illegally downloaded fonts can be subject to legal action, and Cimon will not be held liable in such cases.)



Security

To allow the corporation to protect its system and employees, XPANEL provides security settings. This feature protects the system from unauthorized access or unskilled manipulation. Also, by using a maximum of 10 security levels, an administrator can assign different functions to different operators.



Distribution Management

- -Supports RFID reader to manage the logistics of the distribution system more efficiently. (Compatible with Omron, Sick, and LS products)
- -Compatible with the bar-code readers in serial or USB type and it is possible for the operator to display the barcode on the screen. ('Code 39' function)



VNC

XPANEL provides a solution for monitoring and controlling the system from anywhere. With Ethernet connection. The system can be monitored and controlled with a PC or a smartphone.



Screen Capture

Screenshots of the current screen can be taken during runtime. The image is saved as a bitmap file and can be used when creating a report for the management.



SMS

When an alarm occurs in the system, XPANEL can send a text message to the operator immediately. This ensures that an operator can take appropriate measures to resolve the problem promptly.



Simulator

The operator can virtually simulate the project by using the 'Simulator'. This feature can be used when there are no physical devices (XPANEL and PLC) and there is a need to test a project. The simulator includes a remote control feature which can change the PLC address for a more realistic simulation.



Remote Diagnostic Service

Our technicians can connect to your XPANEL through Ethernet and provide technical support. This allows for a quick remediation due to the status of the XPANEL unit being analyzed without a site visit.

PRODUCT PERFORMANCE

NETWORK PERFORMANCE

CIMON XPANEL easily connects to other devices through a plethora of communication drivers we offer, making it possible to provide powerful flexibility for building your control system.

SERIAL NETWORK

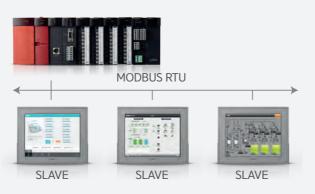




1:1

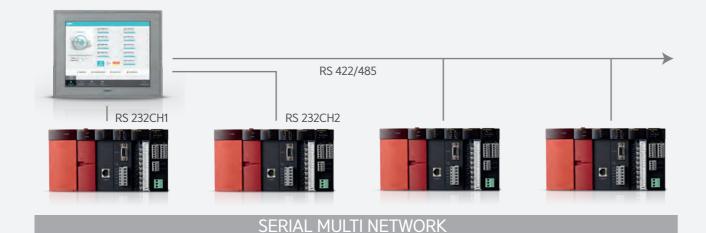
N · 1



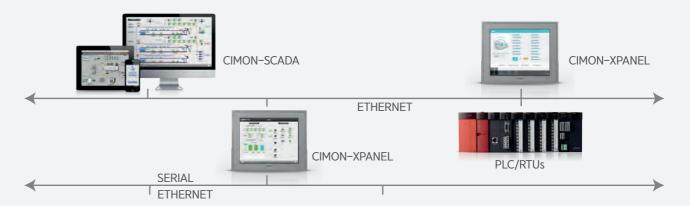


1: N

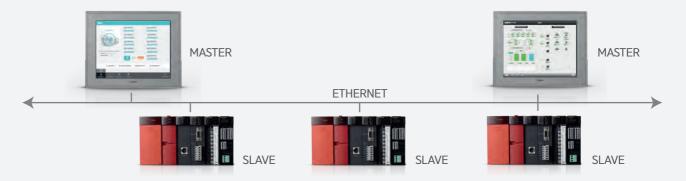
MODBUS MASTER / SLAVE



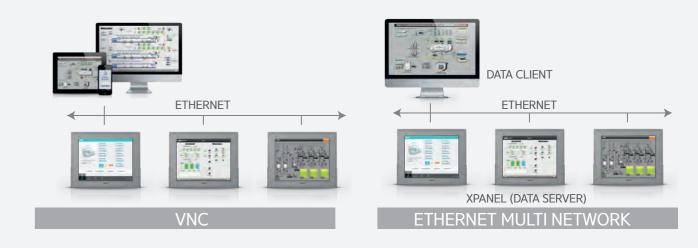
CIMON NETWORK



ETHERNET NETWORK



CIMON ETHERNET



PRODUCT PERFORMANCE

Xpanel Designer can make your facility smarter and more powerful.

SOFTWARE

User-Friendly Development Software

Xpanel designer V2.52



Drag-and-Drop function

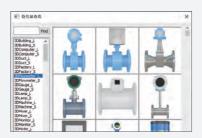
Just drag and drop images. It's that easy.

Xpanel – R

It's possible to use Xpanel Designer in CIMON PPC (Windows 7/10 OS)

Smart HMI and Software

You can design your system with library images.



graphical objects to allow rapid project development.



→ You can create your own animated objects.



→ You can preview the project on a PC with the simulator.

Convenient and Reliable HMI



 ∧ All the PLC address data can be identified and modified in the database.



→ You can create pages from numer ous language choices.

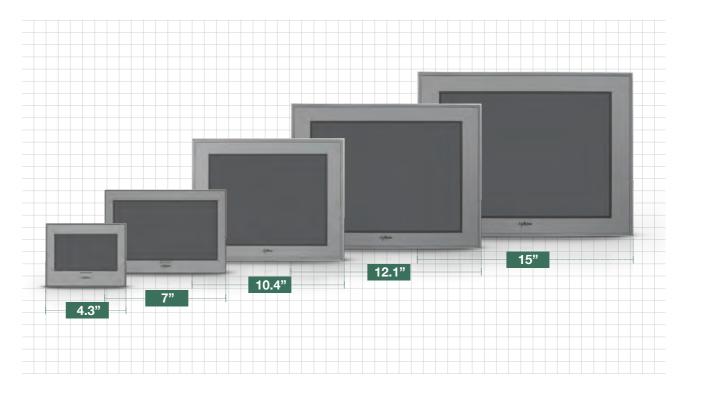


→ Front Aluminum die-casted bezel increases the durability of XPANEL.

CIMON-XPANEL SPECIFICATION

PRODUCT SPECIFICATION

XPANEL comes in sizes that are suitable for small to large scale facilities. Also, its proven reliability and performance ensure that maximum value is provided in every industrial environment.



Item	Specification
General Voltage	DC24V or AC100-240V
Operating Temperature	0°C~ 50°C
Preserving Temperature	−20°C~ 60°C
Operating Humidity	Relative Humidity 10% ~ 85%, (Below 29℃, no condensation)
Preserving Humidity	Relative Humidity 10% ~ 85%, (Below 39℃, no condensation)
Environment Condition	800hPa ~ 1114hPa (Below 2000m)
Dust	≤ 0.1mg/m³
Pollution Degree	Pollution degree 2
Air Condition	Avoid corrosive gas and excessive dust
Vibration Resistance	SSD storage type 9.8m/S2, 10Hz~25Hz in X,Y,Z (80min)
Noise Immunity (Impulse Noise)	Impulse, EFT/Burse, Surge, ±2KV, 1uS
Electrostatic Discharge Immunity	4kV(IEC61000-4-2 LEVEL 3), 8kV(Air discharge)

	Туре	XT04CD-DN	XT04CD-DE	XT07CD-DN	XT07CD-AN	XT07CD-DE	XT07CD-AE
Panel Size		4.	4.3"		7	7"	
Re	solution	480	x 272		800>	¢ 480	
	LCD			Colo	r TFT		
	Color			65K (Colors		
Lu	minance			400 c	cd/m²		
	1emory			128MByte D	DR2 SDRAM		
S	torage			128MByte SL0	C NAND Flash		
Opera	ting System	Windows CE 6.0					
Programming Tool (HMI)				Xpanel [Designer		
	Audio		None			1 P	ort
	Ethernet		None 10/100 BaseT None		10/100 BaseT		
	Serial (COM1)		RS232C				
	Serial (COM2)		RS422/485				
Interface	Serial (COM3)			No	ne		
	USB Host			1 P	ort		
	Tool Port	1 Port					
	SD Card Slot	No		ne		15	lot
Input Power DC24V		DC24V	AC100-240V	DC24V	AC100-240V		
Dime	Dimension(mm)		128 X 102 X 50 185 X		185 X 12	(127 X 50	
Pane	el Cut(mm)	120	120 X 94 177 X 119				
Er	nclosure		Plastic				

	Туре	iXT10CD-D	iXT10-CD-A	iXT12CD-A	iXT15CD-A	
Pa	nel Size	10	.4"	12.1"	15"	
Re	solution		800 x 600		1024 x 768	
	LCD Color TFT					
(Color		262K Colors		16.7M Colors	
Lur	minance	400 (cd/m²	450 cd/m ²	400 cd/m ²	
М	emory		256MByte D	DR2 SDRAM		
S	torage		128MByte SL	C NAND Flash		
Operat	ting System	Windows Embedded Compact 7				
Programming Tool (HMI) Xpanel Designer						
Audio None			one			
Ethernet		10/100 Base T				
Serial (COM1) Serial (COM2)		RS422/485				
		RS232C				
Interface	Serial (COM3)	RS232C				
	USB Host		1 Port			
	Tool Port		1 F	Port		
	SD Card Slot		15	Slot		
Input Power		DC24V	DC24V AC100-240V			
Dime	nsion(mm)	280 X 220 X 47 330 X 250 X 83		395 X 310 X 89		
Pane	l Cut(mm)	267 2	X 207	319 X 239	382 X 297	
En	closure	Aluminum				

CIMON HYBRID XPANEL

Two devices, HMI and PLC, are combined into one product for your convenience.





Available in VESA Wall Mount

The VESA mount configuration provides a clean and safe installation by mounting to articulating arms.



PLC-S Expansion

It is possible to add up to 2 PLC-S modules after mounting an option module.



Separated Terminal

The product can be easily connected with other devices. The USB host allows the use of both Xpanel Designer and CICON software.



PLC-S Embedded

PLC-S The product is fully compatible with PLC-S expansion module.



Providing High Reliability

The product shares reliability standard with PLC. (CIMON internal test standard)



OPC UA Connectivity

Hybrid Xpanel supports OPC UA, which is a widely used communication protocol. It can securely connect to devices and the cloud as well.

- Device-level can be set from 1 to 15
- Allows an administrator to add, modify, and delete ID and password for the OPC UA security program.

Total Solution for Industrial Automation

HYBRID XPANEL SPECIFICATION

PRODUCT SPECIFICATION

General Specification

Items	Specification						Standards
Operating Temperature	-10°C ~ 55°C						-
Preserving Temperature			-25℃ ~ 1	70°C			_
Operating Humidity		Relative Hun	nidity 10 ~ 95	%, No conden	sation		_
Preserving Humidity		Relative Hun	nidity 10 ~ 95	%, No conden	sation		-
		Continuou	s Vibration	Intermitten	t Vibration		
	Frequency(pps)	Acceleration (m/s)	Amplitude (mm)	Acceleration (m/s)	Amplitude (mm)	Count	
Vibration Resistance	$5 \le f < 9,$ $9 \le f \le 150 \text{pps}$	_	1.75	_	3.5	10 times for each	IEC 61131-2
	9 ≤ f ≤150pps	4.9 {0.5G}	_	9.8 {1G}	_	direction X, Y, Z	
Shock Endurance	 Maximum shock acceleration: 147mg (15G) Duration time: 11ms Pulse wave: a sine half-wave pulse (3 times for each direction ±X, ±Y, ±Z, total on 3 times) 						IEC 61131-2
	Square wave impulse noise	+ // / FOR III CONSOCIITIVO MINIITOS					CIMON Internal Test Standard
	Electrostatic Discharge Immunity	Discharge Voltage: ±4kV(Discharge by contact), ±8kV(Air Discharge)					IEC 61131-2 IEC 61000-4-2
Noise Immunity	Radiated EMF Noise	80~1,000 MHz, 10V/m					IEC 61131-2 IEC 61000-4-3
		Power Supply ±2kV				±2kV	
	FAST transient burst Noise	Digital / Analog input output (AC)		±2kV	IEC 61131-2 IEC 61000-4-4		
	Digital / Analog input output (DC) ±1k					±1kV	
Ambient Conditions	Avoid corrosive gas and excessive dust						
Operating Altitude	≤ 2000m					IEC61131-2	
Pollution Level	≤ 2					IEC61131-2	
Cooling System	Air natural cooling						

HMI Part (Xpanel)

Model HP07CD-AER HP07CD-DER HP07CD-ANR HP07CD-DES HP07CD-ANS HP07CD-DES HP07CD-ANS HP07CD-DNS LCD Size 7 inches LCD Type TFT Color Color 65,536 colors Resolution WVGA 800x480 Backlight LED Luminance 400cd/m2 Touch Panel Resistive 4 wire Memory 128MByte DDR2 Storage Space 128MByte SLC NAND Flash SD Card 1 SD Slot None COM1(HMI) RS232C/RS422/RS485 COM2(HMI) RS232C (Internal) COM2(PLC) RS232C (Internal) Ethernet 10/100 BaseT None USB Host 1 port None Tool Port 1 USB device Audio 1 port None Power Consumption 9,6W						
LCD Type TFT Color Color 65,536 colors Resolution WVGA 800x480 Backlight LED Luminance 400cd/m2 Touch Panel Resistive 4 wire Memory 128MByte DDR2 Storage Space 128MByte SLC NAND Flash SD Card 1 SD Slot None 1 SD slot None COM1(HMI) RS232C/RS422/RS485 COM2(HAMI) RS232C (Internal) COM2(PLC) RS232C RS485 COM2(PLC) RS232C (Internal) None 10/100 BaseT None USB Host 1 port 1 port None 1 port None Audio 1 port None 1 port None Voltage -A: AC100-240V / -D: DC24V	Model					
LCD Type TFT Color Color 65,536 colors Resolution WVGA 800x480 Backlight LED Luminance 400cd/m2 Touch Panel Resistive 4 wire Memory 128MByte DDR2 Storage Space 128MByte SLC NAND Flash SD Card 1 SD Slot None 1 SD slot None COM1(HMI) RS232C/RS422/RS485 COM2(HMI) RS232C (Internal) COM2(PLC) RS232C RS485 COM2(PLC) RS232C (Internal) RS485 COM2(PLC) RS232C (Internal) None USB Host 1 port None Tool Port 1 USB device Audio 1 port None Voltage -A: AC100-240V / -D: DC24V	LCD Size	TIFO/CD DER			TIFO/CD DNS	
Color 65,536 colors Resolution WVGA 800x480 Backlight LED Luminance 400cd/m2 Touch Panel Resistive 4 wire Memory 128MByte DDR2 Storage Space 128MByte SLC NAND Flash SD Card 1 SD Slot None COM1(HMI) RS232C/RS422/RS485 COM2(HMI) RS232C (Internal) COM2(PLC) RS232C (Internal) Ethernet 10/100 BaseT None USB Host 1 port Tool Port 1 USB device Audio 1 port None Voltage -A: AC100-240V / -D: DC24V						
Resolution WVGA 800x480 Backlight LED Luminance 400cd/m2 Touch Panel Resistive 4 wire Memory 128MByte DDR2 Storage Space 128MByte SLC NAND Flash SD Card 1 SD Slot None 1 SD slot None COM1(HMI) RS232C/RS422/RS485 COM2(HMI) RS232C (Internal) COM2(PLC) RS232C RS485 COM2(PLC) RS232C (Internal) RS485 COM2(PLC) RS232C (Internal) None USB Host 1 port None Tool Port 1 USB device Audio 1 port None Voltage -A: AC100-240V / -D: DC24V						
Luminance						
Luminance 400cd/m2 Touch Panel Resistive 4 wire Memory 128MByte DDR2 Storage Space 128MByte SLC NAND Flash SD Card 1 SD Slot None 1 SD slot None COM1(HMI) RS232C/RS422/RS485 COM2(PLC) RS232C (Internal) COM2(PLC) RS232C RS485 COM2(PLC) Ethernet 10/100 BaseT None 10/100 BaseT None USB Host 1 port 1 USB device Audio 1 port None 1 port None Voltage -A: AC100-240V / -D: DC24V						
Touch Panel Resistive 4 wire Memory 128MByte DDR2 Storage Space 128MByte SLC NAND Flash SD Card 1 SD Slot None 1 SD slot None COM1(HMI) RS232C/RS422/RS485 COM2(PLC) RS232C (Internal) RS485 COM2(PLC) RS232C RS485 RS232C (Internal) None 10/100 BaseT None USB Host 1 port 1 USB device Audio 1 port None 1 port None Voltage -A: AC100-240V / -D: DC24V						
Memory 128MByte DDR2 Storage Space 128MByte SLC NAND Flash SD Card 1 SD Slot None COM1(HMI) RS232C/RS422/RS485 COM2(HMI) RS232C (Internal) COM1(PLC) RS232C RS485 COM2(PLC) RS232C (Internal) None 10/100 BaseT None USB Host 1 port 1 port None 1 port None Audio 1 port None 1 port None Voltage -A: AC100-240V / -D: DC24V						
Storage Space 128MByte SLC NAND Flash SD Card 1 SD Slot None 1 SD slot None COM1(HMI) RS232C/RS422/RS485 COM2(HMI) RS232C (Internal) COM1(PLC) RS232C RS485 COM2(PLC) RS232C (Internal) None None USB Host 10/100 BaseT None None None USB Host 1 port None 1 port None Audio 1 port None 1 port None Voltage -A: AC100-240V / -D: DC24V	Touch Panel		Resistiv	e 4 wire		
SD Card 1 SD Slot None 1 SD slot None COM1(HMI) RS232C/RS422/RS485 COM2(HMI) RS232C (Internal) COM1(PLC) RS232C RS485 COM2(PLC) RS232C (Internal) None Ethernet 10/100 BaseT None USB Host 1 port None Tool Port 1 USB device Audio 1 port None Voltage -A: AC100-240V / -D: DC24V	Memory		128MBy	te DDR2		
COM1(HMI) RS232C/RS422/RS485 COM2(HMI) RS232C (Internal) COM1(PLC) RS232C RS485 COM2(PLC) RS232C (Internal) Ethernet 10/100 BaseT None 10/100 BaseT None USB Host 1 port 1 USB device Audio 1 port None 1 port None Voltage -A: AC100-240V / -D: DC24V	Storage Space	128MByte SLC NAND Flash				
COM2(HMI) RS232C (Internal) COM1(PLC) RS232C RS485 COM2(PLC) RS232C (Internal) Ethernet 10/100 BaseT None 10/100 BaseT None USB Host 1 port 1 USB device Audio 1 port None 1 port None Voltage -A: AC100-240V / -D: DC24V	SD Card	1 SD Slot	None	1 SD slot	None	
COM1(PLC) RS232C RS485 COM2(PLC) RS232C (Internal) Ethernet 10/100 BaseT None USB Host 1 port Tool Port 1 USB device Audio 1 port None 1 port None Voltage -A: AC100-240V / -D: DC24V	COM1(HMI)		RS232C/RS	5422/RS485		
COM2(PLC) RS232C (Internal) Ethernet 10/100 BaseT None 10/100 BaseT None USB Host 1 port 1 USB device Audio 1 port None 1 port None Voltage -A: AC100-240V / -D: DC24V	COM2(HMI)		RS232C	(Internal)		
Ethernet 10/100 BaseT None 10/100 BaseT None USB Host 1 port 1 USB device Audio 1 port None 1 port None Voltage -A: AC100-240V / -D: DC24V	COM1(PLC)	RS232C RS485				
USB Host 1 port Tool Port 1 USB device Audio 1 port None 1 port None Voltage -A: AC100-240V / -D: DC24V	COM2(PLC)		RS232C	(Internal)		
Tool Port 1 USB device Audio 1 port None 1 port None Voltage -A: AC100-240V / -D: DC24V	Ethernet	10/100 BaseT	None	10/100 BaseT	None	
Audio 1 port None 1 port None Voltage -A: AC100-240V / -D: DC24V	USB Host	1 port				
Voltage -A: AC100-240V / -D: DC24V	Tool Port	1 USB device				
<u> </u>	Audio	1 port	None	1 port	None	
Power Consumption 9.6W	Voltage	-A: AC100-240V / -D: DC24V				
	Power Consumption	9.6W				
OS Windows CE 6.0	OS	Windows CE 6.0				
Dimension(mm) 185 x 127 x 80.5	Dimension(mm)	185 x 127 x 80.5				
Panel Cut(mm) 177 x 119	Panel Cut(mm)		177	x 119		

Hybrid Xpanel Product Line-Up

Model	Standard
CM-HP07CD-DNR	HP07 + NO LAN + PLC(CPU, RS232C), DC 24V
CM-HP07CD-ANR	HP07 + NO LAN + PLC(CPU, RS232C), AC 100 - 240V
CM-HP07CD-DNS	HP07 + NO LAN + PLC(CPU, RS485), DC 24V
CM-HP07CD-ANS	HP07 + NO LAN + PLC(CPU, RS485), AC 100 - 240V
CM-HP07CD-DER	HP07 + LAN + PLC(CPU, RS232C), DC 24V
CM-HP07CD-AER	HP07 + LAN + PLC(CPU, RS232C), AC 100 - 240V
CM-HP07CD-DES	HP07 + LAN + PLC(CPU, RS485), DC 24V
CM-HP07CD-AES	HP07 + LAN + PLC(CPU, RS485), AC 100 - 240V

Option

Model	Specification
CM-HP-DM	HP07 DUMMY, for expansion of PLC-S modules
CM-HP-EAA	Analog module for HP07 (Al 2 channels, AO 2 Channels) (0 - 5V, 1 - 5V, 0 - 10V, -10 -10V, 0-20mA, 4 - 20mA)
CM-HP-EDR	Digital module for HP07 (DI 7 points, DO 5 points – Relay type)

PLC-S Part -

CIMON - XPANEL

Ite	ems	Descriptions
Po	wer	DC 12 - 24V / 10W (Expanded by fully in 2 modules)
Program Control		Repetitive Operation, Time Driven Interrupt, Stored Program
Method for Contro	olling Input Output	Indirect method, Direct method by Instruction
Program	Language	LD(Ladder Diagram), IL(Instruction List), SFC (Sequential Function Chart), FBD(Function Block Diagram)
Data Pro	ocessing	32bit
Number of	Number of sequence	55
Instruction	Number of Application instruction	389
Execution Pro (Basic In	cessing Speed struction)	200 ns/Step
Program	Memory	10K Step
Number o	of I/O Point	384 Points
	mode	Run, Stop, Remote Run, Remote Stop
	ation against failure	Setting data and conservation (Latch) in K device
Count of Pro	ogram Block	127
	Scan	4 types of scan programs including standard scan program (Subroutine, Hot / Cold initialization, Periodic interrupts)
Blocks of Program (max 127)	Periodic Interrupts	Able to register for scan program form up to 16 (Minimum period: 10ms)
	Special Configuration	4 types of special programs including PID program (High-speed Counter, Positioning control, Input module filtering, etc.)
	Comm.	4 types of programs including User protocol program (MODBUS/RTU Master, High PLC Link, etc.)
	Etc.	SFC Program, FBD (Function Block Diagram)
Auto diagnoses		Monitoring delay of processing, problems of memory, I/O, Battery, Power error
Resta	arting	Hot Restart, Reboot
Expa	nsion	CM-HP-EAA/CM-HP-EDR/CM-HP-DM module + 2 PLC-S modules
	X	1024 points (X0000 - X063F)
	Υ	1024 points (Y0000 - Y063F)
	М	8192 points (M0000 - M511F)
	L	4096 points (L0000 - L255F)
	K	4096 points (K0000 - K255F)
Data Memory	F	2048 points (F0000 - F127F)
	Т	512 points (T0000 - T0511)
	С	512 points (C0000 - C0511)
	S	100 states x 100 set (00.00 - 99.99)
	D	10000 words (D0000 - D9999)
	Z	1024 words (Call Stack : Z0000 - Z0063, Z1000 - Z1063)
	R	16 points (Index)
High-spee	ed Counter	20Kpps, 2 phase 2 channels.(10kpps when operating 2 channels together) 1 Phase pulse input + Direction signal

Items	Descriptions
PID	32 channels, Auto-tuning
RTC	Operated by internal battery (CR2032 Backup)
Communication	USB (CICON programming)
Channel	Option: RS232C 1 channel or RS485 1 channel
Etc.	Floating point arithmetic, Modification in Run status, etc.

Optional Expansion Module (PLC-S)

Digital I/O

Model	Туре	Standard
CM3-SP32EDO	DI-32	DI 32 pts, DC 24V
CM3-SP32EOT	DO-32	DO 32 pts. DC 24V TR (Sink)
CM3-SP32EOC	DO-32	DO 32 pts. DC 24V TR (Source)
CM3-SP16EOR	DO-16	DO 16 pts, Relay Output
CM3-SP32EDT	DI-16 / DO-16	DI 16 pts, DO 16 pts, TR (Sink)

Analog I/O & Temp. Measuring

Model	Туре	Specification
CM3-SP04EAO	Al-4	Al 4 channels (0 - 5V, 1 - 5V, 0 - 10V, -10 -10V, 0 - 20mA, 4 - 20mA)
CM3-SP04EAA	AIO-4	Al 2 channels / AO 2 channels (0 - 5V, 1 - 5V, 0 - 10V, -10 -10V, 0-20mA, 4 - 20mA)
CM3-SP04EOAI	AO-4	AO 4 channels current output (4–20mA)
CM3-SP04EOAV		AO 4 channels voltage output (-10 -10V, 0 - 10V)
CM3-SP04ERO	Temperature	4 points RTD (PT100, JPT100, PT1000, NI1000)
CM3-SP04ETO	measuring	4 points TC (K, J, E, T, B, R, S, N)

Communication

Model	Туре	Protocol
CM3-SP02ERS	RS232C 1 channel, RS422/RS485 1 channel	CICON, CIMON HMI, MODBUS/RTU Slave & Master, Protocol program
CM3-SP02ERR	RS232C 2 channels	CICON, CIMON HMI, MODBUS/RTU Slave & Master, Protocol program
CM3-SP01EET	Ethernet (10BaseT, 100BaseTX)	CICON, CIMON HMI, MODBUS/RTU Slave & Master, Protocol program, DHCP

Accessories

Model	Classification	Note
CM0-TB32M	Terminal block	CCan be used with following modules: CM3-SP32EDO CM3-SP32EOT CM3-SP32EOC
CM0-SCB10E	1.0M cable	
CM0-SCB15E	1.5M cable	
CM0-SCB20E	2.0M cable	
CM0-SCB30E	3.0M cable	

^{*}For more information about specification, please refer to the PLC-S catalog.

Dimensions of CIMON-XPANEL

Unit: mm



MEMO





HQ Office

Revision / Ver 1

Revision Date / AUG 2018

Printed / AUG 2018

USA Cimon Inc. 2538 Anthem Village dr. #110, Henderson, NV 89052

Seoul Office 11th floor, M State, #114, Beobwon-ro, Songpa-gu, Seoul, Republic of Korea, 05854

Tel. +82-2-480-8601
Email. info@cimon.com

#48, Beolmal-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea, 13503