CIMON

Total Solution for Industrial Automation

Product Line-Up

PLC | Programmable Logic Controller

XP Series · CP Series · PLC-S Series · Remote I/O

XPANEL | HMI

4".7".10".12".15" · HYBRID (HMI+PLC)

SCADA | Supervisory Control and Data Acquisition

UltimateAccess DS/RS · WEB · MOBILE

IPC | Industrial Touch Panel PC

12". 15" .19" NP Series · Rack type PC

CIMON

CIMON Product Line-Up

1. **PLC** *(XP Series, CP Series, PLC-S Series, Remote I/O)*

2. **XPANEL** *(4" .7". 10". 12" .15" HMI, HYBRID – HMI + PLC)*

3. **SCADA** *(UltimateAccess, DS/RS, WEB, MOBILE)*

4. **IPC** *(12" .15" .19" NP Series, Rack type PC)*

COMPANY
CIMON presents Total Solutions for Industrial Automation

CIMON is a leading vendor dedicated to providing complete solutions for all industrial automation needs.

We offer high quality and efficiency in industrial automation through our elaborate technology.
Our skilled engineers use technologies acquired through years of experience in the automation field. Since 1997, our contributions to the development of automation system software and controllers have earned us a reputation for quality and reliability.

The CIMON-PLC and CIMON-IPC provide comprehensive system solutions in various performance classes for all areas of control systems that are scalable, from high-performance industrial PCs to mini PLCs and can be adjusted to fit particular applications.
The CIMON-SCADA and CIMON-XPANEL provide flexible and reliable systems for any kind of industrial automation monitoring and control application.

They help our customers immensely owing to their user-friendly interface and ensure that vital production data will always be available.
They can also be easily expanded or modified according to the changes in the customer's system requirements.
We hope that you will obtain the solution of your dream with CIMON and we will continuously try our best to be the global leader in the automation business.

| 1 | PLC | 2 | XPANEL | 3 | SCADA | 4 | IPC |

1 | PLC Product Line-Up

'CIMON-PLC' is a programmable controller which is proven to be reliable and durable. It provides countless functions and features for industrial needs and strong communication for an easy connection with third-party devices.

✓ CP (1,024 I/O pts), XP (8,192 I/O pts)
✓ CP (200ns/step), XP (75ns/step)
✓ CP (32K steps), XP (128K steps)
✓ IEC 61131-3 Standard Programming (LD, SFC, FBD, IL)
✓ Open Network Solutions (Ethernet, Serial, Modbus, Profibus-DP, DNP3.0, BACnet, OPC UA)
✓ Special Functions (Load Cell, Thermistor, PID, High Speed Counter, Positioning)
✓ PLC CPU and Network Redundancy System (XP1R)
✓ Maximum of 16 Base Expansions

1-1 | CM1 (PLC XP Series / CP Series)

Division	Model	Type	Description
Redundancy Configuration	CM1-XP1R	CPU	128K Step/ 32BIT/ 8192 pts./ Expandible/ RTC/ Redundancy
	CM1-RC01A	Comm.	Redundancy Comm. Module 10Mbps
	CM1-RM01A	I/F	Dual I/F Master/Standby setting
	CM1-SPR	POWER	Redundancy, AC100V~240V, 5V/+15V/-15V/24V
	CM1-RPW		Redundancy. Power supply status monitor
	CM1-EP03A	EXPANSION	Exp. Module 10Mbps 3 Port
	CM1-BS05S	BASE	5Slots, Dual power
	CM1-BS08S		8Slots, Dual power
	CM1-BS10S		10Slots, Dual power
CPU module	CM1-XP1B	High Speed CPU	128K Step/ 32BIT/ 8192 pts./ Expandible/ RTC/USB Port/RS232C
	CM1-XP2B		64K Step/ 32BIT/ 4096 pts./ Expandible/ RTC/USB port/RS232C
	CM1-XP3B		64K Step/ 32BIT/2048 pts./ Expandible/ RTC/USB port/RS232C
	CM1-CP3A	CPU	32K Step/ 16BIT/ 1024 pts./ Expandible
	CM1-CP3B		32K Step/ 16BIT/ 1024 pts./ Expandible/ RTC
	CM1-CP3U		32K Step/ 16BIT/ 1024 pts./ Expandible/ RTC/USB port
	CM1-CP3P		32K Step/ 16BIT/ 1024 pts./ Expandible/ RTC / Flash ROM Pack
	CM1-CP4A		16K Step/ 16BIT/ 384 pts.
	CM1-CP4B		16K Step/ 16BIT/ 384 pts./ RTC
	CM1-CP4C	+ Comm.	16K Step/ 16BIT/ 384 pts./ RTC/ RS232C port
	CM1-CP4D	+ Comm.	16K Step/ 16BIT/ 384 ps./ RTC/ RS422/485 port
	CM1-CP4U	+ Comm.	16K Step/ 16BIT/ 384 pts./ RTC/ RS422/485 port/USB port

Division	Model	Type	Description
POWER module	CM1-SPA	Power supply	AC100V~240V, 5V(3.5A)/ 24V(0.5A)
	CM1-SPC		AC100V~240V,5V/+15V/-15V/24V
	CM1-SP2B		DC24V, 5V/+15V/-15V
	CM1-SPW		DC70V~110V, 5V/+15V/-15V/24V
BASE	CM1-BS03A	Base	3Slot
	CM1-BS04A		4Slot
	CM1-BS05A		5Slot
	CM1-BS08A		8Slot
	CM1-BS10A		10Slot
	CM1-BS12A		12Slot
EXPANSION module	CM1-EP01A	Expansion	Single-Exp. 10Mbps 1Port
	CM1-EP02A		Multi-Exp. 10Mbps 2Port
ACCESSORIES	CM0-DM	Dummy	Dummy
	CM1-FM512	Memory	Flash memory pack for CM1-CP3P (512 kbytes)
	CM0-CBL15	Loader Cable	1.5M, Graphic Loader PC connection
	CM0-CBL30		3M, Graphic Loader PC connection
	CM0-SCB15I	Connecting cable	DI/DO Connecting cable (1.5m)
	CM0-CBE05	Expansion Cable	0.5M, Exp. Module connection
	CM0-CBE15		1.5M, Exp. Module connection
	CM0-BAT	Battery	Battery Ass'y for XP/CP CPU (3V Lithium, CR1/2AA)
	RP-DPC01A	Adaptor	Profibus connector Ass'y (used w/ CM1-PD01A)
DIGITAL I/O module	CM1-XD16A	DIGITAL INPUT	DC 24V Input 16pts, Sink/Source, On/OFF voltage 19V/11V
	CM1-XD16B		DC 24V Input 16pts, Sink/Source, On/OFF voltage 15V/12V
	CM1-XD16W		DC100V Input 16pts, Sink/Source, On/OFF voltage 60V/40V
	CM1-XD32C		DC 24V Input 32pts, Sink/Source, On/OFF voltage 19V/11V
	CM1-XD32B		DC 24V Input 32pts, Sink/Source, On/OFF voltage 15V/12V
	CM1-XD64C		DC 24V Input 64pts, Sink/Source, On/OFF voltage 19V/11V
	CM1-YR16A	RELAY OUTPUT	RELAY output 16 points, 2A/1pts.
	CM1-YT16A	DIGITAL OUTPUT	TR SINK Output 16 pts, 0.5A/1pts
	CM1-YT16B		TR SOURCE Output 16 pts, 0.5A/1pts
	CM1-YT32A		TR SINK Output 32 pts, 0.2A/1pts
	CM1-YT32B		TR SOURCE Output 32 pts, 0.2A/1pts
	CM1-YT64A		TR SINK Output 64 pts, 0.2A/1pts
	CM1-XY16DR	DI/DO	DC24V Input 8 pts, Relay Output 8 pts
ANALOG I/O	CM1-AD04VI	ANALOG INPUT	AD 4CH, 14Bit, Voltage/Current Input

1 | PLC Product Line-Up

Division	Model	Type	Description
ANALOG I/O module	CM1-AD08V	ANALOG INPUT	AD 8CH, 14Bit, Voltage Input
	CM1-AD08I		AD 8CH, 14Bit, Current Input
	CM1-AD04W		AD 4CH, 16Bit, Voltage/Current Input
	CM1-DA04V	ANALOG OUTPUT	DA 4CH, 14Bit, Voltage Output -10~+10V
	CM1-DA04VA		DA 4CH, 14Bit, Voltage Output 0~+10V
	CM1-DA08V		DA 8CH, 14Bit, Voltage Output -10~+10V
	CM1-DA08VA		DA 8CH, 14Bit, Voltage Output 0~+10V
	CM1-DA04I		DA 4CH, 14Bit, Current Output 4~20mA
	CM1-DA08I		DA 8CH, 14Bit, Current Output 4~20mA
RTD & TC module	CM1-RD04A	RTD	4 Channel (PT100, JPT100)
	CM1-RD04B		4 Channel (PT1000)
	CM1-TC04A	TC	4 Channel (K,J,E,T,B,R,S,N)
	CM1-TH08A		8 Channel, (NTC)
SPECIAL module	CM1-HS02C	HSC	2 Ch, 200kpps, PNP Open Collector
	CM1-HS02E		2 Ch, 500kpps, Line Drive Input
	CM1-HS02F		2 Ch, 200kpps, NPN Open Collector
	CM1-WG04A	Loadcell	4 Ch, Strainguage, Resolution 1/10000, 3.6mV/V
	CM1-WG02C		2 Ch, Strainguage, Resolution 1/40000, 2mV/V (Standard)
	CM1-WG02D		2 Ch, Strainguage, Resolution 1/40000, 2mV/V, (High Speed Weighing)
	CM1-WG02E		2 Ch, Strainguage, Resolution 1/40000, 3.6mV/V (Wide Range)
	CM1-PS02A	Positioning	2 Axis/ Open Collector Type
COMMUNICATION module	CM1-SC02A	SERIAL	RS232C 1Port, RS422/485 1port
	CM1-SC01A		RS232C 1Port
	CM1-SC01B		RS422/485 1Port
	CM1-SC02C		RS232C 2Ports
	CM1-SC01DNP		RS232C 1Port, DNP3.0 protocol
	CM1-EC01A	ETHERNET	10Mbps, UDP/TCP, MODBUS TCP Slave
	CM1-EC10A		10/100Mbps, UDP/TCP, MODBUS TCP Master
	CM1-EC10B		100Mbps, UDP/TCP, MODBUS TCP Master, Fiber Optic
	CM1-EC10C		10/100Mbps, UDP/TCP, DHCP
	CM1-EC01DNP		10Mbps, DNP3.0 (Single Host)
	CM1-EC04DNP		10Mbps, DNP3.0 (4 Host)
	CM1-PD01A	PROFIBUS	Profibus RS-485
	CM1-BN01A	BACnet	Bacnet, 10Mbps, UDP/IP
	CM1-CN01M	CIMON-NET	CIMON-NET Master, CANbus, 2800Byte I/O

Division	Model	Type	Description
COMMUNICATION module	CM1-CN01S	CIMON-NET	CIMON-NET Slave, CANbus, 512Byte I/O
	CM1-EC10OPC	OPC UA	100 Base TX (100Mbps), UA TCP 12 service
TRAINING KIT	PEK-408	Kit	Training kit for CP type PLC
	PEK-308	Kit	Training kit for PLC-S and Xpanel
PROFIBUS REMOTE I/O	RP-XD16A	DI	DI 16points, (DC24V)
	RP-XD32A		DI 32points, (DC24V)
	RP-YR16A	DO	Relay output 16points
	RP-YT16A		DO 16points, TR(SINK)
	RP-YT32A		DO 32points, TR(SINK)
	RP-XY32DT	DI/DO	DI 16points / DO 16points(SINK)
CIMON-NET REMOTE I/O	CM1-CN01M	Master	CIMON-Net Master, CANbus, 1,400Byte I/O
	CM1-CN01S	Slave	CIMON-NET Slave, CANbus, 255Byte I/O
	RC-XD16A	DI	DI 16points, DC24V, TR(Sink/Source)
	RC-XD32A		DI 32points, DC24V, TR(Sink/Source)
	RC-YR16A	DO	Relay Output 16points
	RC-YT32A	DO	DO 32points, TR(SINK)
	RC-XY32DT	DI/DO	DI 16points / DO 16points(TR, SINK)

✓ 384 I/O pts (Max. 11 Module Expansions)
✓ 300ns/step processing speed
✓ 10K steps program memory
✓ IEC 61131-3 Standard Programming (LD, SFC, FBD, IL)
✓ Built-in Communication Ports (RS232C, RS422/485, Ethernet)
✓ Open Network Solutions (Ethernet, Serial, Modbus, OPC UA)
✓ Built-in Special Functions (PID, High Speed Counter, Positioning, Floating Point)

1-2 | CM3 (PLC-S Series)

Division	Model	Type	Description
CPU module	CM3-SP32MDT	TR Sink Output (DC Power)	DI16/DO16, RS232C 1CH
	CM3-SP32MDT-SD		DI16/DO16, SD/MMC Card Slot, RS232C 1CH
	CM3-SP32MDTV		DI16/DO16, RS232C 1CH, RS485 1CH
	CM3-SP32MDTV-SD		DI16/DO16, SD/MMC Card Slot, RS232C 1CH, RS485 1CH
	CM3-SP32MDTE		DI16/DO16, RS232C 1CH, Ethernet 1CH
	CM3-SP32MDTE-SD		DI16/DO16, SD/MMC Card Slot, RS232C 1CH, Ethernet 1CH
	CM3-SP32MDTF		DI16/DO16, RS232C 1CH, Ethernet 1CH, RS485 1CH
	CM3-SP32MDTF-SD		DI16/DO16, SD/MMC Card Slot, RS232C 1CH, Ethernet 1CH, RS485 1CH

1 | PLC Product Line-Up

Division	Model	Type	Description
CPU module	CM3-SP32MDC	TR Source Output (DC Power)	DI16/DO16, RS232C 1CH
	CM3-SP32MDC-SD		DI16/DO16, SD/MMC Card Slot, RS232C 1CH
	CM3-SP32MDCV		DI16/DO16, RS232C 1CH, RS485 1CH
	CM3-SP32MDCV-SD		DI16/DO16, SD/MMC Card Slot, RS232C 1CH, RS485 1CH
	CM3-SP32MDCE		DI16/DO16, RS232C 1CH, Ethernet 1CH
	CM3-SP32MDCE-SD		DI16/DO16, SD/MMC Card Slot, RS232C 1CH, Ethernet 1CH
	CM3-SP32MDCF		DI16/DO16, RS232C 1CH, Ethernet 1CH, RS485 1CH
	CM3-SP32MDCF-SD		DI16/DO16, SD/MMC Card Slot, RS232C 1CH, Ethernet 1CH, RS485 1CH
	CM3-SB16MDT	MICRO-S TR Sink Output	DI8/DO8, RS232C 1CH
	CM3-SB16MDTV		DI8/DO8, RS232C 1CH, RS485 1CH
	CM3-SP16MDR	Relay Output (DC Power)	DI 8/Relay Output 8, RS232 1CH
	CM3-SP16MDRV		DI 8/Relay Output 8, RS232 1CH, RS485 1 CH
	CM3-SP16MDRE		DI 8/Relay Output 6, RS232C 1CH, Ethernet 1CH
	CM3-SP16MDRF		DI 8/Relay Output 6, RS232C 1CH, Ethernet1CH, RS485 1CH
DIGITAL I/O module	CM3-SP32EDO	DI-32	DI 32 pts, DC24V
	CM3-SP32EOT	DO-32	DO 32pts. DC24V TR(Sink)
	CM3-SP32EOC		DO 32pts. DC24V TR(Source)
	CM3-SP32EDT	DI-16/DO-16	DI 16 pts, DO 16 pts TR(Sink)
	CM3-SP16EDR	DI8/DO8	DI 8pts, Relay Output 8pts. 2A
	CM3-SP16EOR	DO-16	Relay Output 16pts, 2A
ANALOG I/O module	CM3-SP04EAO	AI-4	AI 4CH Current/Voltage
	CM3-SP04EAA	AIO-4	AI 2CH / AO 2CH Current Voltage
	CM3-SP04ERO	AI-4	AI 4CH RTD
	CM3-SP04ETO		AI 4CH TC
	CM3-SP04EAM		AI 4CH TC & RTD MUX
	CM3-SP04EOAI	AO-4	AO 4CH Current Output
	CM3-SP04EOAV		AO 4CH Voltage Output
COMMUNICATION module	CM3-SP02ERS	SERIAL	RS232C 1CH, RS422/485 1CH, MODBUS RTU Master
	CM3-SP02ERR		RS232C 2CH. MODBUS RTU Master
	CM3-SP01EET	ETHERNET	10/100Mbps, UDP/TCP, MODBUS TCP Master
	CM3-SP01OPC	OPC UA	100 Base TX(100Mbps), UA TCP 12 service
ACCESSORIES	CM0-TB32M	SP32MDT	Multi-Terminal Block
	CM0-SCB15M	SP32MDT	DI16/DO16 Connection Cable (1.5m)
	CM0-SCB15E	SP32EDO	I/O 32 Connection Cable (1.5m)
		SP32EOT	

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2 | XPANEL Product Line-Up

'CIMON-Xpanel' is an Windows CE based high-performance touch panel HMI which is equipped with a fast-speed CPU and a high-quality LED panel for excellent color expression and precise high-resolution display.

✓ State-of-the-art High-Definition Display which supports 262,000 FULL COLOR SVGA
✓ Project Download/Upload with USB cable, USB Memory, SD Card, and Ethernet
✓ Powerful and Versatile Communication which supports more than 200 communication drivers for major equipment and PLC in the market.
✓ Ultrafast CPU Processor for complex operations and PLC graphic processing
✓ Multi- Language Supported
✓ Real-Time Data Logging
✓ Hybrid Xpanel (HMI+PLC)7" touch screen (DI 8 / Relay Output 8)
✓ Maximum of 3 PLC-S modules expansion for Hybrid
✓ Ethernet & Serial (RS232/RS485)option for Hybrid
✓ Modbus TCP, Modbus RTU, VNC Server

Division		Model	Description
Xpanel [HMI]		CM-XT04CD-DN	4.3" TFT, DC24V, 2 Serial
		CM-XT04CD-DE	4.3" TFT, DC24V, 2 Serial, Ethernet
		CM-XT07CD-DN	7" TFT, DC24V, 2 Serial
		CM-XT07CD-AN	7" TFT, AC Free, 2 Serial
		CM-XT07CD-DE	7" TFT, DC24V, 2 Serial, Ethernet
		CM-XT07CD-AE	7" TFT, AC Free, 2 Serial, Ethernet
		CM-XT10CD-A	10.4" TFT, AC Free,3 Serial, Ethernet
		CM-XT10CD-D	10.4" TFT, DC24V, 3 Serial, Ethernet
		CM-XT12CD-A	12.1" TFT, AC Free, 3 Serial, Ethernet
		CM-XT15CD-A	15" TFT-LCD, AC Free, 3 Serial, Ethernet
Xpanel Hybrid	Main Unit	CM-HP07CD-DNR	XT07CD-DN + PLC CPU(DI8/Relay8, RS232C), DC type
		CM-HP07CD-ANR	XT07CD-DN + PLC CPU(DI8/ Relay8, RS232C), AC type
		CM-HP07CD-DNS	XT07CD-DN + PLC CPU(DI8/ Relay8, RS485C), DC type
		CM-HP07CD-ANS	XT07CD-DN + PLC CPU(DI8/ Relay8, RS485C), AC type
		CM-HP07CD-DER	XT07CD-DE + PLC CPU(DI8/Relay8, RS232C), DC type
		CM-HP07CD-AER	XT07CD-DE + PLC CPU(DI8/ Relay8, RS232C), AC type
		CM-HP07CD-DES	XT07CD-DE + PLC CPU(DI8/ Relay8, RS485C), DC type
		CM-HP07CD-AES	XT07CD-DE + PLC CPU(DI8/ Relay8, RS485C), AC type
	OPTION module	CM-HP-DM	Expansion dummy for Hybrid XPANEL
		CM-HP-EAA	Analog module (AI 2ch, AO 2ch) for Hybrid XPANEL
		CM-HP-EDR	DI 8 pts, DC24V / DO 8 pts Relay for Hybrid XPANEL

CIMON Product Line-Up

3 | SCADA Product Line-Up

CIMON-SCADA

'CIMON-SCADA' is a powerful and reliable all-in-one tool from designing graphical pages to monitoring and controlling industrial sites.

✓ SCADA Redundancy (Primary / Secondary)
✓ Web Server and Client Remote Control
  (Explorer browser or Mobile App on iOS/ Android)
✓ Multiple Protocols and PLC Drivers (OPC, ODBC, SQL, OLE, TCP/IP, Modbus, FEP)
✓ Dongle type USB License
✓ CRF21 part 11 standards of the American FDA
✓ Trend Analysis (Real-time Mode / Historical Mode)
✓ Report in Microsoft Excel (Hourly, Daily, Monthly, Yearly)
✓ Alarm (Email / Mobile notifications, Events, Sound Formats)
✓ Scheduler (Event management based on hourly, daily, monthly, yearly calendars)
✓ Smart Library (Animation, Video Image)
✓ Multi-language (Any Unicode character)
✓ Visual Basic Script
✓ Recipe Editor

Division	Model	Type	Description
WEB SERVER	CM04-SCADA 1-E	1 User	Development+Server+Mobile,Web & Network Clients
	CM04-SCADA 5-E	2-5 Users	Development+Server+Mobile,Web & Network Clients
	CM04-SCADA 10-E	6-10 Users	Development+Server+Mobile,Web & Network Clients
	CM04-SCADA UNL-E	Unlimited Users	Development+Server+Mobile,Web & Network Clients
Standalone : Development tool	CM01-0075/DS	75 Tags	Development+Runtime viewer
	CM01-0150/DS	150 Tags	Development+Runtime viewer
	CM01-0500/DS	500 Tags	Development+Runtime viewer
Standalone : Runtime viewer	CM01-0075/RS	75 Tags	Runtime viewer
	CM01-0150/RS	150 Tags	Runtime viewer
	CM01-0500/RS	500 Tags	Runtime viewer
Mobile Server	APL (Option)	Unlimited Users	Mobile server with unlimited clients

4 | IPC Product Line-Up

CIMON-IPC

'CIMON-IPC' is industrial panel computer equipped with fanless CPU and touch panel. Providing built-in system compatible with HMI software, CIMON-IPC offers high resolution and TFT color LCD display with real-time response speed touch screen.

✓ Intel Baytrail-I Embedded Processor E3845 Quad Core 1.91GHz
✓ Solid-state drive (SSD) with 128GB (mSATA)
✓ Fanless design and low power consumption
✓ IP65 (front)
✓ OS (Option) : Windows Embedded Standard 8.1 Industry Pro (64Bit)
              Windows Embedded Standard 7P (64Bit)
              Windows 7 Professional DSP (32Bit)
✓ Rack Mount fanless computer (NU1R)

Division	Model	Description
UNIT	CM-NP12-A	12.1"TFT, 128GB SSD, 4GB RAM, 4Serial, 2Ethernet, 4USB port
	CM-NP15-A	15"TFT, 128GB SSD, 4GB RAM, 4Serial, 2Ethernet, 4USB port
	CM-NP19-A	19"TFT, 128GB SSD, 4GB RAM, 4Serial, 2Ethernet, 6USB port
Rack	CM-NU1R	Rack Mount or Table top fanless computer
OPTION	OS	Win7 Embedded or Win8.1 Embedded
	8GB RAM	8GB RAM (4GB x 2pcs)
	Extra 120GB SSD	Additional 120GB SSD installed

CIMON