



# CIMON

A U T O M A T I O N



## PRODUCT GUIDE









## THE TOTAL SOLUTION FOR INDUSTRIAL AUTOMATION

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CIMON has been spearheading the market since 1999 with its family of innovative, industry-4.0-ready industrial automation products. An extensive lineup of PLCs, HMIs, SCADA software and industrial PCs, our product portfolio gives customers everything they need to build and maintain a system efficiently and effectively.

CIMON has been providing automation solutions for industries including automotive, power plants, semi-conductors, water/wastewater, electronics, oil and gas, building automation and more. We have worked with hundreds of manufacturers, providing a total solution from product supply to system design with various configurations of automatic control systems.

At CIMON, we develop our hardware and software with your changing needs in mind, allowing faster response time in the market. Our services and products increase facility efficiency and reduce operating costs for our customers.

**CIMON**



## ETHOS

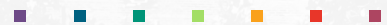
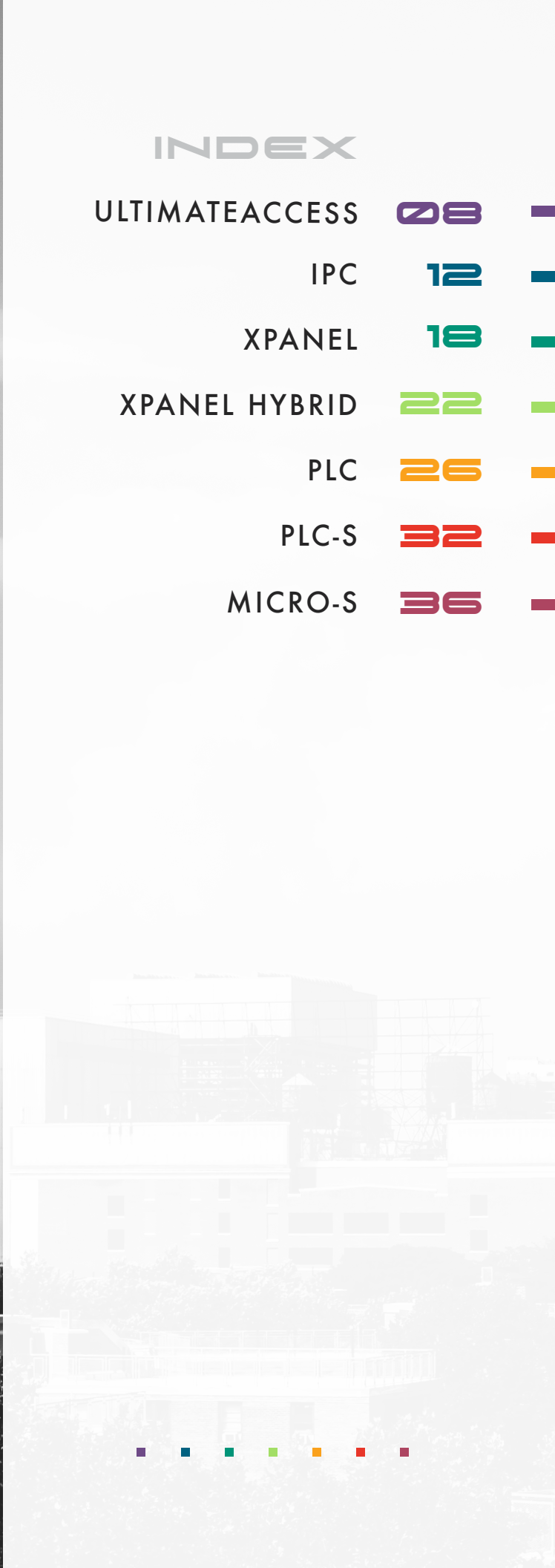
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Since our foundation, CIMON has been committed to supplying forward-thinking companies with the hardware and software they need to propel our world into tomorrow. A diverse, multinational collective of developers, engineers, creatives and representatives, our teams collaborate with one unique vision: Unifying modern technology, techniques, and UI / UX design with a 20-year track record of innovation and reliability to produce the instruments that will lead the world into its next industrial revolution.



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# ULTIMATE ACCESS



CIMON UltimateAccess SCADA is a Windows-based software, perfect for a wide variety of industries. Our SCADA allows users to monitor and control their system at any time, from anywhere.



## SCADA SOFTWARE

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### REDUNDANCY & SERVER-CLIENT

Stable system operation with redundancy and server-client system.



### FEP COMMUNICATION

SCADA to SCADA high-speed data communication system.



### ODBC

Supports ODBC to connect database management systems (DBMS).



### LIBRARY

Intuitive graphic design with extensive library of images and animations.



### WEB / MOBILE SERVER

Remotely monitor & control systems from anywhere using the internet.



### NETWORK

Easy to establish network with more than 500 communication drivers.



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Monitor and log real-time and historical data

Display streamed data with Trend feature

Configure alarms to notify & record abnormal activities

Create reports and export to Excel format

Set up to 100 security levels to define / regulate user access

Create custom functions with EVB script module

OPC DA / UA Client support

Monitor & control systems via web or mobile devices

OLE Automation enables monitoring and data link

Exceeds FDA CFR21 part 11 requirements

# ULTIMATEACCESS

## DEVELOPMENT LICENSE

MODEL	TYPE	FEATURES
UA01-0075/DS	75 Tags	Development + Runtime Viewer + Web / Thin Client + Mobile
UA01-0150/DS	150 Tags	Development + Runtime Viewer + Web / Thin Client + Mobile
UA01-0500/DS	500 Tags	Development + Runtime Viewer + Web / Thin Client + Mobile
UA01-1500/DS	1500 Tags	Development + Runtime Viewer + Web / Thin Client + Mobile
UA01-3000/DS	3000 Tags	Development + Runtime Viewer + Web / Thin Client + Mobile
UA01-FULL/DS	Unlimited Tags	Development + Runtime Viewer + Web / Thin Client + Mobile

## RUNTIME LICENSE

MODEL	TYPE	FEATURES
CM01-0075/RS	75 Tags	Runtime Viewer
CM01-0150/RS	150 Tags	Runtime Viewer
CM01-0500/RS	500 Tags	Runtime Viewer
CM01-1500/RS	1500 Tags	Runtime Viewer
CM01-3000/RS	3000 Tags	Runtime Viewer
CM01-FULL/RS	Unlimited Tags	Runtime Viewer





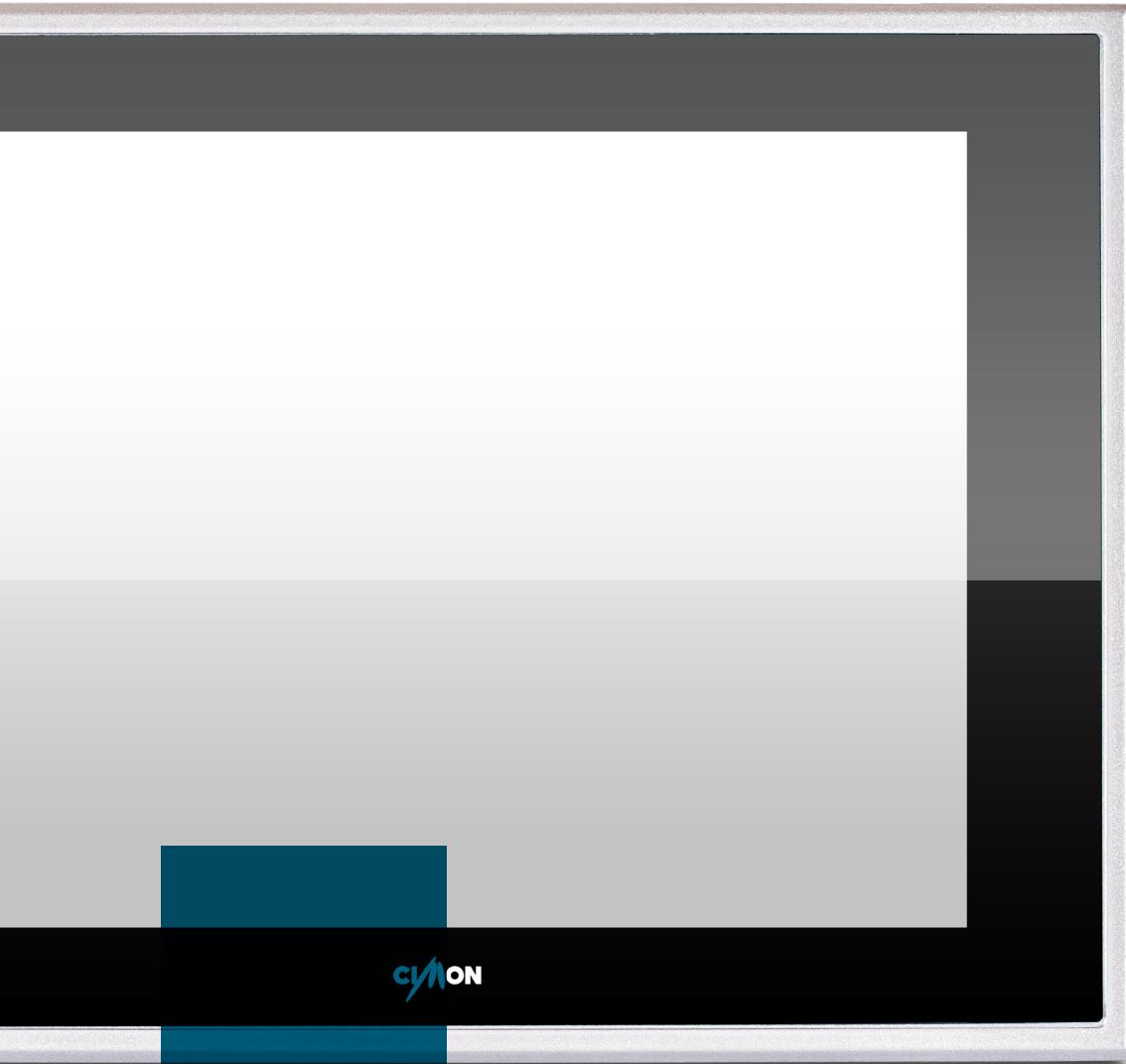
### THE ULTIMATE IPC + SCADA BUNDLE

Equip your IPC with one of the most powerful automation software on the market with this exclusive low-cost bundle. Save big when you purchase our IPC and UltimateAccess SCADA together with your choice of Runtime License or Development + Runtime license with 75, 150, 500, 1500, 3000, or unlimited tags. Kickstarting your next project with CIMON's high-performance IPC and the remarkably intuitive UltimateAccess SCADA software has never been so easy.

Take control of your data using a next-generation SCADA system with advanced communication and visualization capabilities. Optimize your workflow with a multitude of convenient built-in features, including a versatile scripting engine, a vast library of smart user interface elements, and a redundancy safeguard for uninterrupted functionality.

By operating from a CIMON IPC, you can always count on long-lasting, top-notch performance.

# PANEL IPC



CIMON IPC is an industrial computer that runs on Windows / Linux OS and an Intel CPU. CIMON's Industrial PC differs from traditional PCs by accounting for your automation and controls needs, including device endurance, user experience, and task execution while providing powerful performance in the harsh environments shared by many industrial settings.

# INDUSTRIAL COMPUTER



## SSD & CPU LINEUP

Fast start-up and processing speeds plus greater product functioning with Intel J1900/i3-6100U/i5-6300U processors.



## PROVEN RELIABILITY

FCC, CE, UL\*, cUL, IP65, IECEx certified\* and NEMA 4X rated\* for demonstrated durability and dependability.



## HEAT & ENERGY MANAGEMENT

Extremely low power consumption of 16 W,\* impressive thermal dissipation to maintain device equilibrium.



## VARIETY OF INTERFACES

Includes 2 Gigabit Ethernet ports, up to 4 serial ports,\* and up to 4 USB 3.0 ports.\*



## DISK DRIVE PRESERVATION

UWF and EWF features prevent the unauthorized use of disk volume, including the installation of undesirable software or changes to system settings.



## SYSTEM INTEGRITY

RAID 1 protocol mirrors information onto a separate disk for easy data restoration in the event of a critical error.



High resolution display and polished design

Many port options for convenient & efficient connection

USB ports for easy connection with other systems

Durability and stability with SSD storage

High performance Quad Core CPU embedded

100-240 VAC or 24 VDC power options available

Windows 10 or 7 OS Options (Installed)

Reliable fanless design



10"

12"

15"

19"

\*Select models

# RACK IPC



CIMON Rack PC features a 1U case with a fanless design. This industrial computer is best implemented in sites where reliability, resistance to dust, and low power consumption are vital, as well as when there are requirements for bigger screens or specific cost & performance requirements.

# INDUSTRIAL COMPUTER



## IMPRESSIVE PERFORMANCE

Start with 250 GB of SSD storage,\*\* up to 8 GB of RAM, and an Intel J1900 CPU.



## EXTENSIVE CONNECTIVITY

Take advantage of compatibility and communications with 2 Gigabit Ethernet ports, up to 8 USB ports, and Mini PCIe slots.



## PROJECT STABILITY

EWF, UWF, Winclone, and RAID 1 keep your sensitive information secure from unauthorized users and ready for any needed restoration.



## ENERGY EFFICIENT

Work on your industrial projects with as little as 13W of power consumption, allowing for a smooth workflow while saving energy.



## SUPERB SCALABILITY

Our powerful 1U Rack IPC is perfect for projects limited on space. For projects that require additional power, upgrade to an i3 or i5 processor on the Panel IPC.



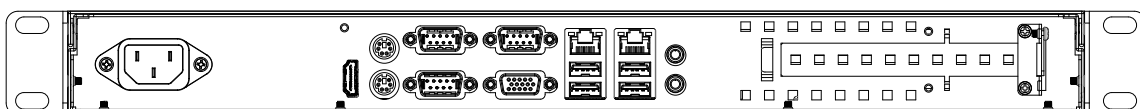
## LONGEVITY & DEPENDABILITY

Designed with fanless systems and metal casings to reduce noise pollution and extend the overall lifespan of the device .



NUIRB-A

NUIRB-A's fanless design offers system stability and longevity. With an energy consumption of just 13W, the 1U is perfect for harsh and dusty industrial sites where minimizing power consumption is essential.



\*\*Storage expansion available

**PANEL IPC**

MODEL	DESCRIPTION
CM-iNP411-A	Intel J1900, 10.4"(1024x768)TFT, 250 GB SSD, 8 GB RAM, OS included, AC 100-240V
CM-iNP411-D	Intel J1900, 10.4"(1024x768)TFT, 250 GB SSD, 8 GB RAM, OS included, DC 24V
CM-iNP412-A	Intel J1900, 12.1"(1024x768)TFT, 250 GB SSD, 8 GB RAM, OS included, AC 100-240V
CM-iNP412-D	Intel J1900, 12.1"(1024x768)TFT, 250 GB SSD, 8 GB RAM, OS included, DC 24V
CM-iNP415-A	Intel J1900, 15"(1024x768)TFT, 250 GB SSD, 8 GB RAM, OS included, AC 100-240V
CM-iNP415-D	Intel J1900, 15"(1024x768)TFT, 250 GB SSD, 8 GB RAM, OS included, DC 24V
CM-iNP419-A	Intel J1900, 19" (1280x1024) TFT, 250 GB SSD, 8 GB RAM, OS included, AC 100-240V
CM-iNP419-D	Intel J1900, 19" (1280x1024) TFT, 250 GB SSD, 8 GB RAM, OS included, DC 24V
CM-NP3612-A	Intel Core i3-6100U, 12.1"(1024x768)TFT, 250 GB SSD, 8 GB RAM, OS included, AC 100-240V
CM-NP3612-D	Intel Core i3-6100U, 12.1"(1024x768)TFT, 250 GB SSD, 8 GB RAM, OS included, DC 24V
CM-NP3615-A	Intel Core i3-6100U, 15"(1024x768)TFT, 250 GB SSD, 8 GB RAM, OS included, AC 100-240V
CM-NP3615-D	Intel Core i3-6100U, 15"(1024x768)TFT, 250 GB SSD, 8 GB RAM, OS included, DC 24V
CM-NP5615-A	Intel Core i5-6300U, 15"(1024x768)TFT, 250 GB SSD, 8 GB RAM, OS included, AC 100-240V
CM-NP5615-D	Intel Core i5-6300U, 15"(1024x768)TFT, 250 GB SSD, 8 GB RAM, OS included, DC 24V
CM-NP5619-A	Intel Core i5-6300U, 19"(1280x1024)TFT, 250 GB SSD, 8 GB RAM, OS included, AC 100-240V
CM-NP5619-D	Intel Core i5-6300U, 19"(1280x1024)TFT, 250 GB SSD, 8 GB RAM, OS included, DC 24V

**PANEL IPC OPTIONS & ADD-ONS**

ADD-ON	DESCRIPTION
Extra 8GB RAM	Additional 8GB DDR4 RAM installed for Core series CPU
500GB SSD	Replace 250GB SSD with 500GB SSD for J1900 and Core series CPU
1TB SSD	Replace 250GB SSD with 1TB SSD installed for Core series CPU
Extra 500GB SSD	Additional 500GB SSD installed for Core series CPU
Extra 1TB SSD	Additional 1TB SSD installed for Core series CPU
RAID 1 250GB SSD	2 x 250GB installed for CM-NP5619
RAID 1 500GB SSD	2 x 500GB SSD installed for CM-NP5619
RAID 1 1TB SSD	2 x 1TB SSD installed for CM-NP5619
Windows 10 Pro	Install Windows 10 Pro instead of Windows 10 IoT Enterprise
Windows 10 Enterprise	Install Windows 10 Enterprise instead of Windows 10 IoT Enterprise
Windows 7 Pro	Install Windows 7 Pro instead of Windows 10 IoT Enterprise
Windows 7 Embedded	Install Windows 7 Embedded instead of Windows 10 IoT Enterprise



## INDUSTRIAL COMPUTER

### 1U RACK IPC

MODEL	DESCRIPTION
CM-NU1RB-A	Table top fanless computer (Intel J1900 QuadCore 2.00GHz, 250GB SSD, 8GB RAM)

### RACK 1U OPTIONS & ADD-ONS

ADD-ON	DESCRIPTION
Extra 250GB SSD	Additional 250GB SSD
Windows 10 Pro	Install Windows 10 Pro instead of Windows 10 IoT Enterprise
Windows 10 Enterprise	Install Windows 10 Enterprise instead of Windows 10 IoT Enterprise
Windows 7 Pro	Install Windows 7 Pro instead of Windows 10 IoT Enterprise
Windows 7 Embedded	Install Windows 7 Embedded instead of Windows 10 IoT Enterprise

# XPANEL HMI



Xpanel takes your HMI experience to the next level. Our products offer proven reliability for any industrial environment and intuitive designing software for rapid project development.

## HUMAN - MACHINE INTERFACE



### HIGH-SPEED CPU

Equipped with a high-speed industrial grade CPU to handle complex scripts and graphics processing with ease.



### DIE-CAST ALUMINUM BEZEL

Rugged aluminum outer bezel offers improved heat and shock resistance and protects internal components (iXT10 and larger models)



### EXTENSIVE LINEUP

Available in a wide variety of display sizes ranging from 4.3" to 15"



### VARIETY OF INTERFACES

Includes Ethernet, serial (RS-232C/422/485), USB, and SD card options



### HIGH-DEFINITION DISPLAY

See all of the intricate details with up to 16.7M color XGA display. Our industrial grade LCDs generate low power and heat, ensuring full brilliance for up to 100,000 hours.



### EXTREME DURABILITY

All models are IP65 certified, NEMA 4X rated\*, and feature a state-of-the-art fortified touch screen with scratch resistance.



\*US only

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Simultaneous use of all communication ports

More than 200 communication drivers

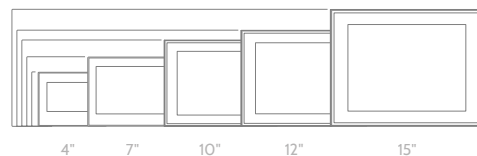
Free XpanelDesigner software

Xpanel runtime upgrade via XpanelDesigner

Real-time data logging

Store data in local memory or external USB/SD

Display logged data as trends



HUMAN - MACHINE INTERFACE

MODEL	DESCRIPTION
CM-XT04CD-DE	4.3" TFT, 24 VDC, 2 serial, 1 Ethernet
CM-XT07CD-DE	7" TFT, 24 VDC, 2 serial, 1 Ethernet
CM-iXT10CD-D	10.4" TFT, 24 VDC, 3 serial, 1 Ethernet
CM-iXT12CD-A	12.1" TFT, 100-240 VAC, 3 serial, 1 Ethernet
CM-iXT15CD-A	15" TFT, 100-240 VAC, 3 serial, 1 Ethernet



ACCESSORIES

TYPE	DESCRIPTION
Programming Cable	USB Cable: mini-B, 1.8 m



# X-PANEL HYBRID



Xpanel Hybrid combines the functionality of the Xpanel HMI with the expansion flexibility and power of the CIMON PLC-S series all in one convenient unit.



### EASY MODULE EXPANSION

Add up to 2 additional PLC-S modules with the addition of an option module.



### HIGH QUALITY LED DISPLAY

Low power, low heat, full brightness and vivid color display.



### HIGH-SPEED CPU

Fast data processing with high-performance CPU.



### SEPARATED TERMINAL

Use XpanelDesigner (HMI) and CICON (PLC) software simultaneously with USB hub.



### HIGH RELIABILITY

Remotely monitor & control systems from anywhere using the internet.



### VESA WALL MOUNT

Easily mount Hybrid to walls, panels, and articulating arms with 100 x 100mm hole pattern



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PLC-S CPU built in

Compatible with all PLC-S modules

Two separate processors for HMI and PLC

Max. Digital I/O count = 94

Max Analog I/O count = 12

2 Ethernet Ports (1 HMI + 1 PLC)



07"

## XPANEL HYBRID

### HYBRID HMI

MODEL	DESCRIPTION
CM-sHP07CD-DT	Xpanel (XT07) HMI + PLC-S CPU, 24 VDC DI 8/DO 7 Sink/USB Loader, 2 Ethernet (1 HMI + 1 PLC), 3 Serial (1 HMI: RS-232C/422/485, 2 PLC: 1 RS-232C, 1 RS422/485), SD card slot
CM-sHP07CD-DC	Xpanel (XT07) HMI + PLC-S CPU, 24 VDC DI 8/DO 7 Source/USB Loader, 2 Ethernet (1 HMI + 1 PLC), 3 Serial (1 HMI: RS-232C/422/485, 2 PLC: 1 RS-232C, 1 RS422/485), SD card slot
CM-sHP07CD-DR	Xpanel (XT07) HMI + PLC-S CPU, 24 VDC DI 8/DO 8 Relay/USB Loader, 2 Ethernet (1 HMI + 1 PLC), 3 Serial (1 HMI: RS-232C/422/485, 2 PLC: 1 RS-232C, 1 RS422/485), SD card slot





ACCESSORIES

MODEL	DESCRIPTION
CM-HP-DM	Expansion dummy for Hybrid
CM-HP-EAA	Analog Module for Hybrid (AI 2 Ch, AO 2 Ch)
CM-HP-EDR	Digital Module for Hybrid (DI 8 points, DO 6 points Relay)



# CM1 SERIES PLC



CIMON offers the most reliable and cost-effective controllers for a wide range of automation systems. CIMON PLC lineup is comprised of the UP, XP, CP, and PLC-S series to accommodate a vast variety of applications.



### EXTENSIVE LINEUP

Vast lineup of PLCs precisely control anything –  
From simple machines to complex facilities.



### REDUNDANCY

CM1 series PLCs feature CPU, power, and I/O  
redundancy module types.



### EXPANSION

Easy expansion (max. 16 bases) using Ethernet  
connection



### POSITIONING

Supports motion control by  
EtherCAT communication.



### COMMUNICATION

Support for Ethernet and serial user protocol,  
Modbus RTU/TCP, High-Speed Link, and Web Server.



### USER-FRIENDLY SOFTWARE

Intuitive UI and versatile instruction library allow  
programmers to work efficiently and productively.



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High-performance CPU built-in

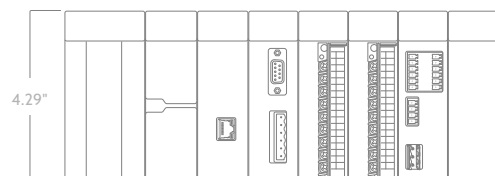
Scalability through base expansion

Real-time data logging

Variety of special modules

Allows open network configuration

Embedded auto-tuning PID



## CM1 SERIES

### REDUNDANCY CONFIGURATION

MODEL	TYPE	DESCRIPTION
CM1-XP1S	CPU	128k steps/32-bit/8192 pts/Expandable/RTC/Redundancy
CM1-RC10A	Communication	CPU Redundancy communication module 100 Mbps
CM1-RM01B	I/F	Redundancy I/F Master/Standby setting
CM1-SPR	Power	Redundancy, I: 100–240 VAC, O: 5/+15/-15/24 VDC
CM1-RPW	Power	Redundancy, Power supply status monitor
CM1-EPO3A	Expansion	Expansion module 10 Mbps, 3 ports
CM1-BS05S	Base	5 slots, Redundancy power
CM1-BS08S	Base	8 slots, Redundancy power
CM1-BS10S	Base	10 slots, Redundancy power

### CPU MODULE

MODEL	TYPE	DESCRIPTION
CM1-UP1F	Ultra High-Speed CPU	256k steps / Quad Core CPU / 1GB DDR3 / 8GB eMMC / Linux-based / Expandable / RS-232C / USB mini-B port / SD/MMC Card Slot
CM1-UP2F	Ultra High-Speed CPU	128k steps / Quad Core CPU / 1GB DDR3 / 8GB eMMC / Linux-based / Expandable / RS-232C / USB mini-B port / SD/MMC Card Slot
CM1-UP3F	Ultra High-Speed CPU	64k steps / Quad Core CPU / 1GB DDR3 / 8GB eMMC / Linux-based / Expandable / RS-232C / USB mini-B port / SD/MMC Card Slot
CM1-XP1F	High-Speed CPU	128k steps / 8192 pts / RTC / USB mini-B port / Floating Point Arithmetic / Expandable / SFC Language Support / FW Upgradable / Ring Expansion / RS-232C / Ethernet / SD/MMC Card Slot
CM1-XP2F	High-Speed CPU	128k steps / 4096 pts / RTC / USB mini-B port / Floating Point Arithmetic / Expandable / SFC Language Support / FW Upgradable / Ring Expansion / RS-232C / Ethernet / SD/MMC Card Slot
CM1-XP3F	High-Speed CPU	128k steps / 2048 pts / RTC / USB mini-B port / Floating Point Arithmetic / Expandable / SFC Language Support / FW Upgradable / Ring Expansion / RS-232C / Ethernet / SD/MMC Card Slot
CM1-CP3E	CPU + Communication	64k steps / 1536 pts / RTC / USB mini-B port / RS-232C / FW upgrade / Expandable
CM1-CP4F	CPU + Communication	16k steps / 384 pts / RTC / USB mini-B port / RS-485 / FW upgrade

POWER MODULE

MODEL	TYPE	DESCRIPTION
CM1-SPC	Power	I: 100–240 VAC, O: 5/+15/-15/24 VDC
CM1-SB2B	Power	I: 24 VDC, O: 5/+15/-15 VDC
CM1-SPW	Power	I: 70–110 VDC, O: 5/+15/-15/24 VDC

BASE

MODEL	TYPE	DESCRIPTION
CM1-BS03A	Base	3 Slots
CM1-BS04A	Base	4 Slots
CM1-BS05A	Base	5 Slots
CM1-BS08A	Base	8 Slots
CM1-BS10A	Base	10 Slots
CM1-BS12A	Base	12 Slots

DIGITAL I/O MODULE

MODEL	TYPE	DESCRIPTION
CM1-XD16E	Digital Input	24 VDC Input 16 pts, SINK/SRC, On/Off voltage 19/11 V
CM1-XD32E	Digital Input	24V DC Input 32pts, SINK/SRC, On/Off voltage 19V/11V (TB32M and SCB15I needed)
CM1-XD64E	Digital Input	24V DC Input 64pts, SINK/SRC, On/Off voltage 19V/11V (2xTB32M and 2xSCB20IE needed)
CM1-YR16E	Relay Output	Relay Output 16 points, 2 A/1 pt
CM1-YT16E	Digital Output	TR SINK Output 16 pts, 0.5A/1pts
CM1-YT16F	Digital Output	TR SRC Output 16 pts, 0.5 A/1 pt
CM1-YT32E	Digital Output	TR SINK Output 32 pts, 0.2A/1pts (TB32M and SCB15I needed)
CM1-YT32F	Digital Output	TR SRC Output 32 pts, 0.2A/1pts (TB32M and SCB15I needed)
CM1-YT64E	Digital Output	TR SINK Output 64 pts, 0.2A/1pts (2xTB32M and 2xSCB20IE needed)
CM1-XY16E	DI / DO	24 VDC Input 8 pts, Relay Output 8 pts

## CM1 SERIES

### ANALOG I/O MODULE

MODEL	TYPE	DESCRIPTION
CM1-ADO4VI	Analog Input	AD 4 Ch, 14-bit, Voltage/Current input
CM1-AD08V	Analog Input	AD 8 Ch, 14-bit, Voltage input
CM1-AD08I	Analog Input	AD 8 Ch, 14-bit, Current input
CM1-ADO4W	Analog Input	AD 4 Ch, 16-bit, Voltage/Current input
CM1-AD16VI	Analog Input	AD 16 Ch, 14-bit, Voltage/Current input
CM1-DA04V	Analog Output	DA 4 Ch, 14-bit, Voltage output -10–10 V
CM1-DAO4VA	Analog Output	DA 4 Ch, 14-bit, Voltage output 0–10 V
CM1-DA08V	Analog Output	DA 8 Ch, 14-bit, Voltage output -10–10 V
CM1-DA08VA	Analog Output	DA 8 Ch, 14-bit, Voltage output 0–10 V
CM1-DA04I	Analog Output	DA 4 Ch, 14-bit, Current output 4–20 mA
CM1-DA08I	Analog Output	DA 8 Ch, 14-bit, Current output 4–20 mA

### COMMUNICATION MODULE

MODEL	TYPE	DESCRIPTION
CM1-SC02A	Serial	RS232C 1 Port, RS422/485 1 Port
CM1-SC02C	Serial	RS232C 2 Ports
CM1-SC01DNP	Serial	RS232C 1 Port, DNP3.0 protocol
CM1-EC01A	Ethernet	10Mbps, UDP/TCP, MODBUS TCP Slave
CM1-EC10A	Ethernet	10/100Mbps, UDP/TCP, MODBUS TCP Master or Slave
CM1-EC10B	Ethernet	100Mbps, UDP/TCP, MODBUS TCP Master or Slave, Fiber Optic
CM1-EC10C	Ethernet	10/100Mbps, UDP/TCP, DHCP
CM1-EC01DNP	Ethernet	10Mbps, DNP3.0 (Single Host)
CM1-EC04DNP	Ethernet	10Mbps, DNP3.0 (4 Host)
CM1-BN01A	BACnet	Bacnet, 10Mbps, UDP/IP

### EXPANSION MODULE

MODEL	TYPE	DESCRIPTION
CM1-EPO2F	Expansion	Multi-Exp. 100 Mbps, 2 Ports

RTD & TC MODULE

MODEL	TYPE	DESCRIPTION
CM1-RD04A	RTD	4 Channels (PT100, JPT100)
CM1-RD04B	RTD	4 Channels (PT1000)
CM1-TC04A	TC	4 Channels (K,J,E,T,B,R,S,N)
CM1-TH08A	Thermistor	8 Channels (NTC)

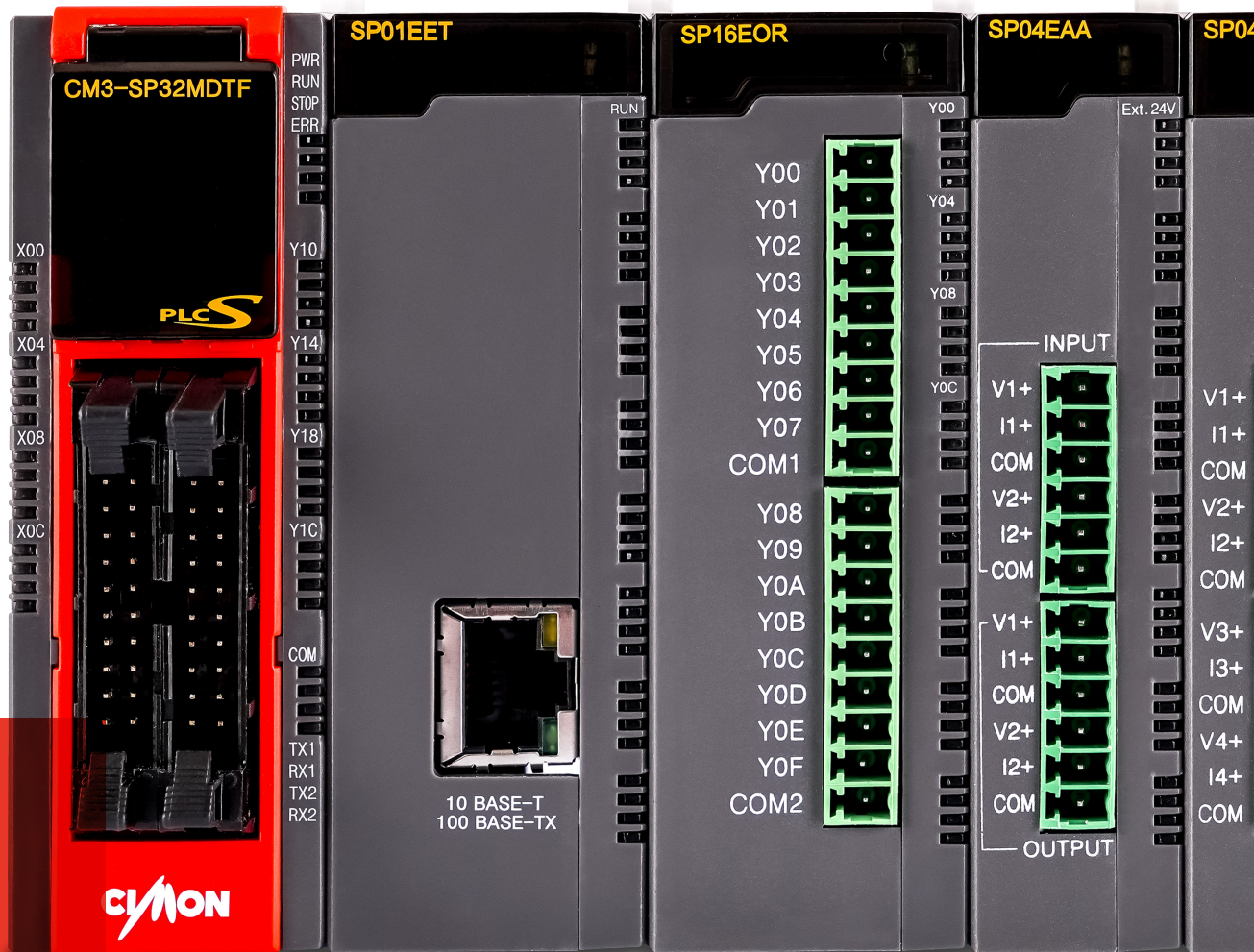
SPECIAL MODULE

MODEL	TYPE	DESCRIPTION
CM1-HS02C	HSC	2 Ch, 200kpps, PNP Open Collector. (TB32M and SCB15I needed)
CM1-HS02E	HSC	2 Ch, 250kpps, Line Drive input (TB32M and SCB15I needed)
CM1-HS02F	HSC	2 Ch, 200kpps, NPN Open Collector (TB32M and SCB15I needed)
CM1-WG02C	Load Cell	2 Ch, Strain Gauge, Resolution 1/40000, 2 mV/V (Standard)
CM1-WG02D	Load Cell	2 Ch, Strain Gauge, Resolution 1/40000, 2 mV/V, (High Speed Weighing)
CM1-WG02E	Load Cell	2 Ch, Strain Gauge, Resolution 1/40000, 3.6 mV/V (Wide Range)
CM1-LG02G	Data Logger	Ethernet 1 port (10/100 Mbps), Memory 2GB, Data Logging / AUTO Dump
CM1-PS02A	Positioning	2 Axes, Linear & Circular Interpolation, 1 Mpps, Line Driver Output
CM1-PS08N	Positioning	Axis/ EtherCAT, Linear & Circular & Helical Interpolation

ACCESSORIES

MODEL	TYPE	DESCRIPTION
CMO-DM	Dummy	Dummy
CMO-CBL15	Loader Cable	1.5 m, Graphic Loader PC connection
CMO-CBL30	Loader Cable	3.0 m, Graphic Loader PC connection
CMO-SCB10I	Connecting Cable	DI/DO Connecting cable (1.0 m)
CMO-SCB15IR	Connecting Cable	DI/DO Connecting cable (1.5m)
CMO-SCB20IE	Connecting Cable	DI/DO Connecting cable (2.0 m) for XD64E, YT64E
CMO-CBE05	Expansion Cable	0.5 m, Exp. module connection
CMO-CBE15	Expansion Cable	1.5 m, Exp. module connection
CMO-CBE30	Expansion Cable	3.0 m, Exp. module connection

# CM3 SERIES PLC-S



The CIMON PLC-S series is designed to be the most cost-effective unit in the PLC world. It provides high-level performance and rock-solid reliability for small-scale industrial automation systems.



## MINI MODULAR PLC



### COMPACT & POWERFUL

Uncompromising performance and flexibility in a small package.



### SIMPLE

DIN rail mountable and easy to install with intuitive plug-and-play expansion.



### ULTRA-QUICK

Equipped with 2 high-speed counters, maximum 20 kHz (kpps)\*



### INTELLIGENT

Automatically recognizes protocols and supports floating-point arithmetic



### COMMUNICATION

Support for Ethernet and serial user protocol, Modbus RTU/TCP, High-Speed Link, and Web Server.



### VERSATILE SOFTWARE

Special instructions, programs, and function blocks available.



Ideal for small-to-medium scale applications

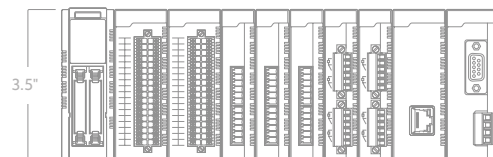
High-performance CPU built-in

Max. 11 modules (384 I/O pts)

Max. 32 PID loop control with auto-tuning

100 kHz (kpps) 2-axes pulse output (motion control)

Supports flexible expansion



\*When using 1 HSC Channel

## CM3 SERIES

### CPU MODULE

MODEL	DESCRIPTION
CM3-SP32MDTF-SD	DI16/DO16 (TR SINK), USB Loader, SD/MMC Card Slot, RS-232C 1 Ch, RS-485 1 Ch, Ethernet 1 Ch
CM3-SP32MDCF-SD	DI16/DO16 (TR SRC), USB Loader, SD/MMC Card Slot, RS232C 1 Ch, RS-485 1 Ch, Ethernet 1 Ch
CM3-SP16MDTF	DI8/DO8 (TR SINK), USB Loader, RS-232C 1 Ch, Ethernet 1 Ch, RS-485 1 Ch
CM3-SP16MDCF	DI8/DO8 (TR SRC), USB Loader, RS-232C 1 Ch, Ethernet 1 Ch, RS485 1 Ch
CM3-SP16MDRV	DI-8/DO-8 (Relay), USB Loader, RS-232C 1 Ch, RS-485 1 Ch
CM3-SP16MDRF	DI-8/DO-6 (Relay), USB Loader, RS-232C 1 Ch, RS-485 1 Ch, Ethernet 1 Ch

### DIGITAL I/O MODULE

MODEL	TYPE	DESCRIPTION
CM3-SP32EDOP	Digital Input	Push-In Terminal, 24 VDC input 32 pts, SINK/SRC, On/Off voltage 19/6 V
CM3-SP32EOTP	Digital Output	Push-In Terminal, TR SINK output 32 pts, 0.2 A/1 pt
CM3-SP32EOCP	Digital Output	Push-In Terminal, TR SRC output 32 pts, 0.2 A/1 pt
CM3-SP32EDTP	DI / DO	Push-In Terminal, 24 VDC input 16 pts/SINK output 16 pts, 0.2 A/1 pt
CM3-SP32EDCP	DI / DO	Push-In Terminal, 24 VDC input 16 pts/SRC output 16 pts, 0.2 A/1 pt
CM3-SP16EDR	DI / DO	24 VDC input 8 pts/Relay output 8 pts, 2 A/1 pt
CM3-SP16EOR	Relay Output	Digital output Relay 16 pts, 2 A/1 pt

### ANALOG I/O MODULE

MODEL	TYPE	DESCRIPTION
CM3-SP04EAO	Analog Input	AD 4 Ch, 14-bit, Voltage/Current input
CM3-SP08EAO	Analog Input	AD 8 Ch, 14/16-bit, Voltage/Current input
CM3-SP04EAA	AI / AO	AD 2 Ch/DA 2 Ch, 16-bit, Voltage/Current
CM3-SP04ERO	Analog Input	4 Ch (PT100, JPT100, PT1000, NI1000 [DIN 43760 & TCR 5000])
CM3-SP04ETO	Analog Input	4 Ch (K, J, E, T, B, R, S, N)
CM3-SP04EOAI	Analog Output	DA 4 Ch, 14-bit, Current output 0–20 mA
CM3-SP04EOAV	Analog Output	DA 4 Ch, 14-bit, Voltage output -10–10 V

### COMMUNICATION MODULE

MODEL	TYPE	DESCRIPTION
CM3-SP02ERS	Serial	RS-232C 1 Ch, RS-422/485 1 Ch, Modbus RTU Master/Slave
CM3-SP02ERR	Serial	RS-232C 2 Ch, Modbus RTU Master/Slave
CM3-SP01EET	Ethernet	10/100 Mbps, UDP/TCP, Modbus TCP Master/Slave

### ACCESSORIES

MODEL	I/O MODULE	DESCRIPTION
CMO-TB32M	SP32M	Multi-Terminal Block
CMO-SCB15M	SP32M	Main CPU, 1.5 m Cable
CMO-SCB15E	SP32EDO, SP32EOT	I/O 32 pts 1.5 m Cable

# MICRO-S BRICK



Avoid excessive time and equipment costs; Use a PLC built for small-scale applications. With a compact, cost-effective design, CIMON's state-of-the-art SB16 and SB32 Series Micro-S Brick PLCs let you start developing and producing results right away.

## BRICK-TYPE PLC



### COMPACT & POWERFUL

Uncompromising performance and flexibility in a small package.



### SIMPLE

DIN rail mountable and easy to install. Optimizes space usage with compact size.



### ULTRA-QUICK

Equipped with 2 high-speed counters, maximum 20 kHz (kpps)\*



### INTELLIGENT

Automatically recognizes protocols and supports floating-point arithmetic



### COMMUNICATION

Support for Ethernet and serial user protocol, Modbus RTU/TCP, High-Speed Link, and Web Server.



### VERSATILE SOFTWARE

Special instructions, programs, and function blocks available.



### SB16 SERIES

10K step memory

8 Digital Inputs / 8 Digital Outputs

20 kHz (kpps) High-Speed Counters (2 ch) built-in

100 kHz (kpps) 2-axes pulse output built-in



### SB32 SERIES

Similar to SB16 with additional I/O

16 Digital Inputs / 16 Digital Outputs

2 Analog Inputs / 2 Analog Outputs

20 kHz (kpps) High-Speed Counters (2 ch) built-in

100 kHz (kpps) 2-axes pulse output built-in

\*When using 1 HSC Channel

## MICRO-S

16 I/O

MODEL	DESCRIPTION
CM3-SB16MDTF	DI8/DO8 (TR SINK), USB Loader, RS-232C 1CH, RS-422/485 1CH, Ethernet 1 Ch, No Expansion
CM3-SB16MDCF	DI8/DO8 (TR SRC), USB Loader, SD/MMC Card Slot, RS232C 1CH, RS-422/485 1CH, Ethernet 1CH, No Expansion



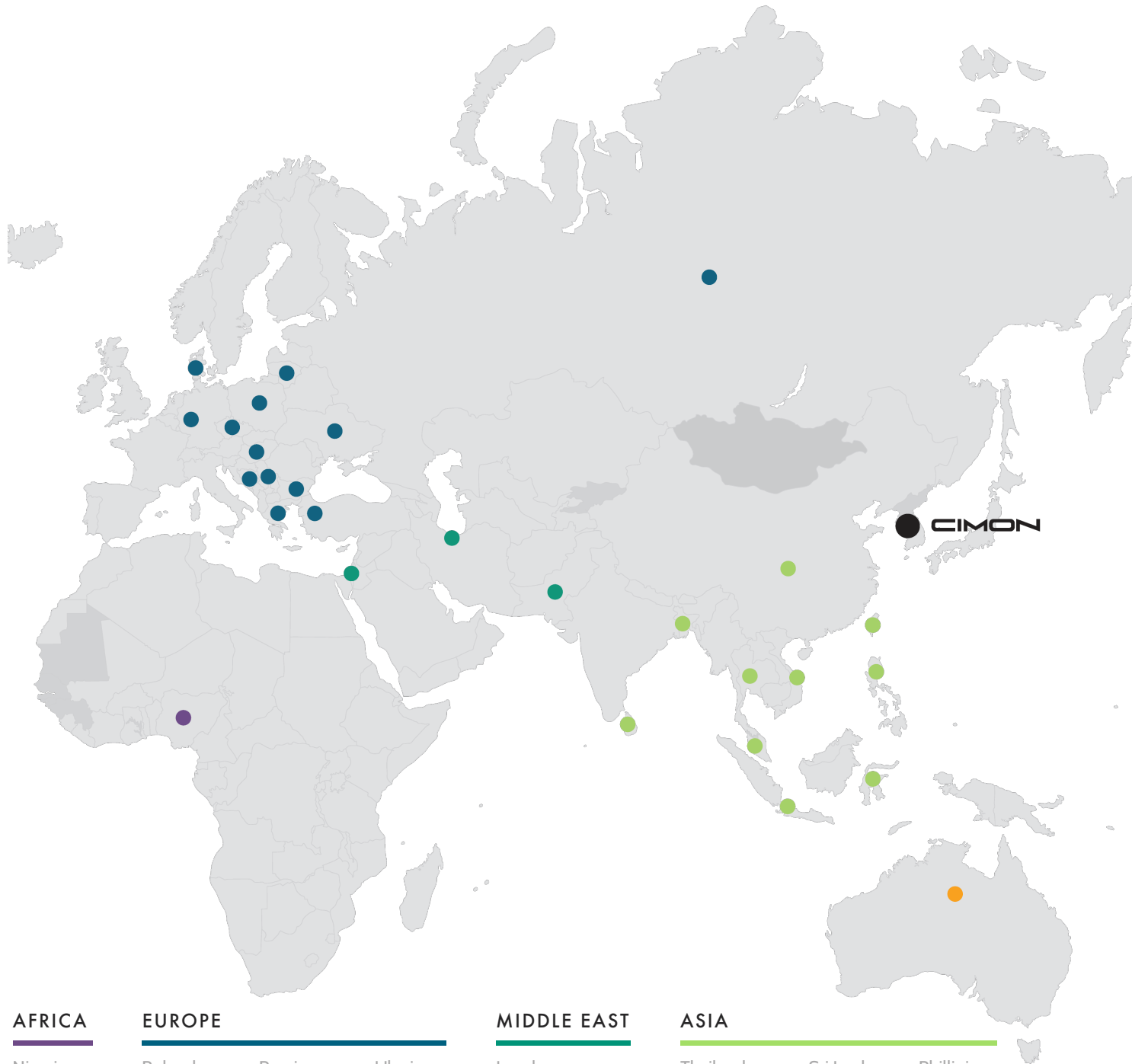
## BRICK-TYPE PLC

32 I/O

MODEL	DESCRIPTION
CM3-SB32MDTF	DI16/DO16 (TR SINK), AI 2CH / AO 2CH, USB Loader, RS232C 1CH, RS422/485 1CH, Ethernet 1CH, No expansion
CM3-SB32MDCF	DI16/DO16 (TR SRC), AI 2CH / AO 2CH, USB Loader, RS232C 1CH, RS-422/485 1CH, Ethernet 1CH, No expansion
CM3-SB32MDRF	DI16/DO16 (Relay), AI 2CH/AO 2 Ch, USB Loader, RS-232C 1CH, RS-422/485 1CH, Ethernet 1CH, No expansion



# CIMON GLOBAL NETWORK



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CORPORATION





## WHAT OUR CLIENTS ARE SAYING...

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They were available immediately for assistance and could be contacted at any point. They gave us all of the info we needed to get up and running and answered all of our questions!

### **AMY RIZZO**

Business Process Manager  
Annheuser-Busch

The quality of the support has been 5 stars. The problem was fully understood and solved. The technical team is very knowledgeable and professional. The excellent quality of the technical support received reaffirms my confidence with the use and application of CIMON products. I am very grateful to you for your help.

### **JOSE CUETO**

President  
Automatic Control Services, Inc.

Excellent Support. Very timely, helpful, and definitely allowed me to speed up my programming time.

### **MICHAEL BENNETT**

Applications Engineer  
B & D Industrial

Very quick with fast response. Thanks a lot for your support!

### **BERNARD ALEJANDRA**

Director, Sales & Marketing  
Serv2Share

CIMON PLC has many options for various communication ports and thus making communication very easier than other competitors. I can honestly say, CIMON PLC is the easiest product I have ever used for making communication. Besides, it offers redundancy system and numerous modules such as load cell, positioning and high speed counter.

### **HAYRI MUTLU**

Product Manager  
KON-TEK AUTOMATION Co.



WWW.CIMON.COM

sales@cimoninc.com

+1-800-300-9916

**USA HQ**

2435 W Horizon Ridge Pkwy #100

Henderson, NV 89052



**SEOUL**

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

**KOREA HQ**

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