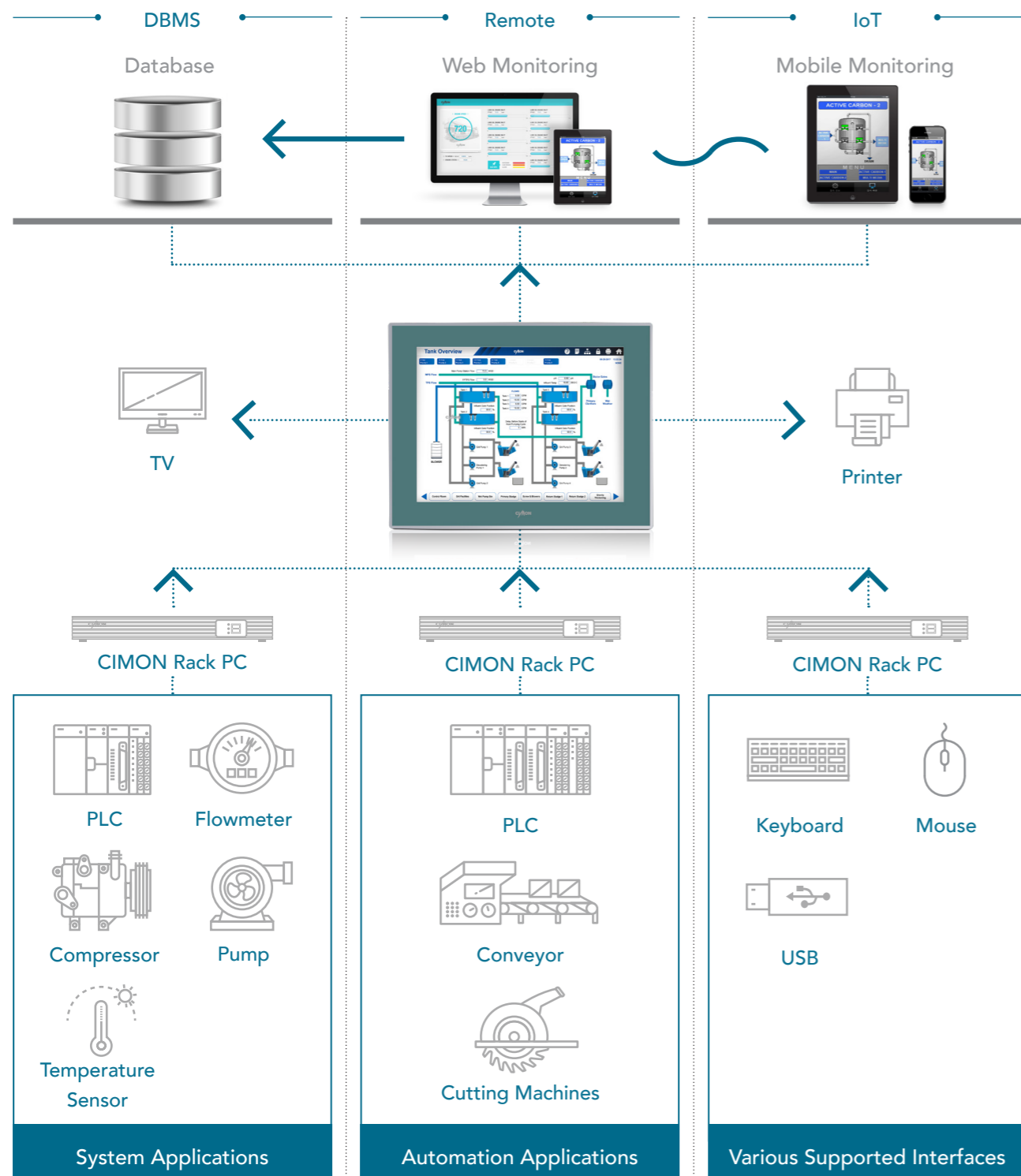


PRODUCT CONFIGURATION

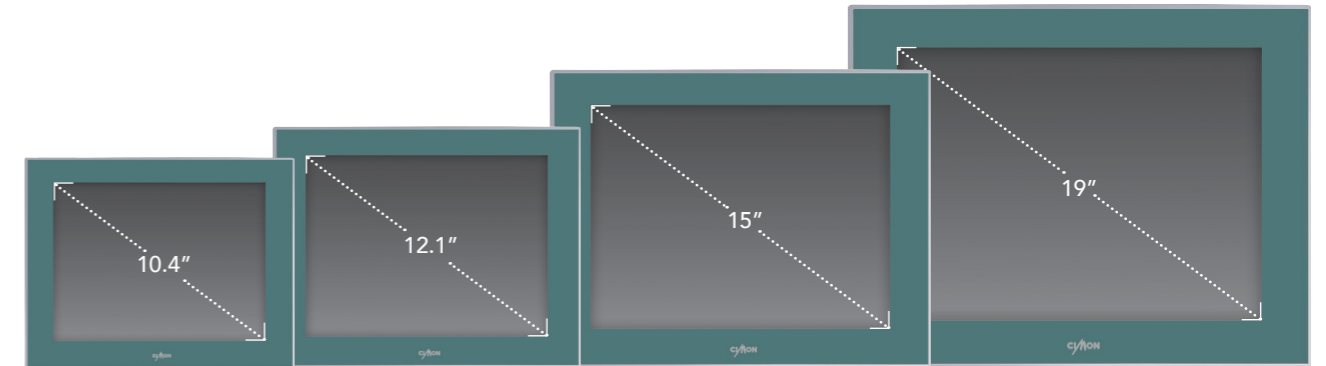
SYSTEM LAYOUT



CIMON IPC SPECIFICATIONS

PRODUCT DETAILS

The CIMON IPC series provides an extensive range of robust and reliable industrial PCs. All panel PC and rack PC products are rigorously tested and professionally designed to withstand harsh industrial conditions.



Fanless design and low power consumption	Windows 10 IoT Enterprise OS (default)
Aluminum die-casted case	UWF/EFW program for protection of the OS
Sunlight readable option available	Serial, Ethernet (10/100/1000 BASE-T), VGA/DVI-D, HDMI/DP/DVI-D
Scratch-resistant touchscreen	Capactive touch option available
LED BLU maximizes screen lifecycle	Easy connection with other control devices

Rack and Panel PC

Item	Specification	Item	Specification
INPUT VOLTAGE	DC 24 V or AC 100–240 V (50/60 Hz)	DUST	≤ 0.1 mg/m ³
OPERATING TEMPERATURE	0 °C–50 °C	POLLUTION	Pollution Degree 2
STORAGE TEMPERATURE	-20 °C–60 °C	AIR CONDITION	Avoid corrosive gas and excessive dust
OPERATING HUMIDITY	Relative humidity 10%–85% at 29 °C (non-condensing)	VIBRATION RESISTANCE	Device with SSD storage: 9.8m/s ² (1 G), 10 Hz–25 Hz in X, Y, Z (80 minutes)
STORAGE HUMIDITY	Relative humidity 10%–85% at 39 °C (non-condensing)	NOISE RESISTANCE	Impulse, EFT/Burst transients, surge, ±2 kV, 1 μs (IEC 61000-4-4)
ENVIRONMENT CONDITION	800 hPa–1114 hPa (below 2000 m)	ELECTROSTATIC DISCHARGE IMMUNITY	±4 kV contact discharge, ±8 kV air discharge (IEC 61000-4-2)

Panel PC

	CM-iNP411-D (DC) CM-iNP411-A (AC)	CM-iNP412-D (DC) CM-iNP412-A (AC)	CM-iNP415-D (DC) CM-iNP415-A (AC)	CM-NP419-D (DC) CM-NP419-A (AC)
CPU	Intel® Celeron® J1900 2.0 GHz			
MEMORY	4 GB (max. 8 GB) DDR3L RAM			
GRAPHIC	Integrated Intel HD Graphic			
DISPLAY	10.4" TFT LCD	12.1" TFT LCD	15" TFT LCD	19" TFT LCD
RESOLUTION	1024 x 768 (XGA)			1280 x 1024 (SXGA)
LCD BRIGHTNESS	600 cd/m ²	700 cd/m ²	450 cd/m ²	550 cd/m ²
BACKLIGHT UNIT	LED			
TOUCH	Analog resistive			
STORAGE	1 x SSD 128 GB			
EX. STORAGE	1 x SATA			
SERIAL	1 x RS-232/422/485, 1 x RS-232	1 x RS-232/422/485, 2 x RS-232, 1 x RS-422/485		
ETHERNET	2 x Gigabit Ethernet			
USB	2 x USB 2.0, 1 x USB 3.0			1 x Front USB 2.0, 2 x Rear USB 2.0, 1 x USB 3.0
AUDIO	1 x Line-out, 1 x Mic-in			
EX. VIDEO	VGA/DVI			
HOT SWAP/RAID 1	N/A			Supported
OS (SELECTABLE)	Windows 10 IoT Enterprise (default)/Windows 10 Pro/Windows 10 Enterprise/ Windows Embedded Standard 7/Linux			
UTILITY PROGRAM	Winclone 6 and UWF (Windows 10)/EWF (Windows 7)			
POWER CONSUMPTION	16 W	21 W	23 W	25 W
INPUT VOLTAGE	AC models (CM-iNPxxx-A): AC 100–240 V, 50/60 Hz; DC models (CM-iNPxxx-D): DC 24 V			
ENCLOSURE	Front case: aluminum, Rear case: plastic			Plastic
WEIGHT	3 kg (6.61 lb)	3.8 kg (8.38 lb)	4.9 kg (10.8 lb)	7.5 kg (16.53 lb)

	CM-iNP3612-D (DC) CM-iNP3612-A (AC)	CM-iNP3615-D (DC) CM-iNP3615-A (AC)	CM-iNP5615-D (DC) CM-iNP5615-A (AC)	CM-NP5619-D (DC) CM-NP5619-A (AC)
CPU	Intel® i3-6100U		Intel® i5-6300U	
MEMORY	8 GB (max. 16 GB) DDR4 SO-DIMM			
GRAPHIC	Integrated Intel HD Graphic			
DISPLAY	12.1" TFT LCD	15" TFT LCD	15" TFT LCD	19" TFT LCD
RESOLUTION	1024 x 768 (XGA)			1280 x 1024 (SXGA)
LCD BRIGHTNESS	700 cd/m ²	450 cd/m ²	450 cd/m ²	550 cd/m ²
BACKLIGHT UNIT	LED			
TOUCH	Analog resistive			
STORAGE	1 x SSD 128 GB			
EX. STORAGE	1 x SATA			
SERIAL	1 x RS-232/422/485, 2 x RS-232	1 x RS-232/422/485, 3 x RS-232		
ETHERNET	2 x Gigabit Ethernet			
USB	4 x USB 3.0			1 x Front USB 2.0, 4 x Rear USB 3.0
AUDIO	1 x Line-out			
EX. VIDEO	1 x HDMI/DP			
HOT SWAP/RAID 1	N/A			Supported
OS (SELECTABLE)	Windows 10 IoT Enterprise (default)/Windows 10 Pro/Windows 10 Enterprise/ Windows Embedded Standard 7/Linux			
UTILITY PROGRAM	Winclone 6 and UWF (Windows 10)/EWF (Windows 7)			
POWER CONSUMPTION	17 W	20 W	25 W	30 W
INPUT VOLTAGE	AC models (CM-iNPxxx-A): AC 100–240 V, 50/60 Hz; DC models (CM-iNPxxx-D): DC 24 V			
ENCLOSURE	Aluminum			Plastic
WEIGHT	4.5 kg (9.92 lb)	5.2 kg (11.46 lb)	5.2 kg (11.46 lb)	6.5 kg (14.33 lb)



Rack PC

Specification	CM-NU1RB-A	CM-NU4R56-A	CM-NU4R76-A
CPU	Intel® Celeron® J1900 2.0 GHz (fanless)	Intel® Core™ i5-6500 3.2 GHz	Intel® Core™ i7-6700 3.4 GHz
MEMORY	4 GB (max. 8 GB) DDR3L RAM	8 GB (4 x slot, max. 32 GB) DDR4 DIMM	
GRAPHIC	Integrated Intel HD Graphic		
STORAGE	1 x SSD 128 GB	1 x SSD 256 GB	
EX. STORAGE	1 x mSATA	5 x SATA	
SERIAL	1 x RS-232/422/485, 1 x RS-232	1 x RS-232/422/485, 1 x RS-232 (max. 4 x RS-232)	
ETHERNET	2 x Gigabit Ethernet	2 x Gigabit Ethernet	
USB	2 x Front USB 2.0, 2 x Rear USB 2.0, 1 x USB 3.0,	2 x Front USB 2.0, 6 x Rear USB 3.0	
AUDIO	1 x Line-in/Mic-in	1 x Line-in/Line-out/Mic-in	
EX. VIDEO	1 x VGA/DVI-D	1 x HDMI/DP/DVI-D	
PCI-E	1 x Mini PCIe	1 x PCI-E (x16), 1 x PCI-E (x8), 1 x PCI-E (x4), 1 x PCI-E (x1), 3 x PCI	
HOT SWAP/RAID 1	N/A	Supported	
OS (SELECTABLE)	Windows 10 IoT Enterprise (default)/Windows 10 Pro/Windows 10 Enterprise/ Windows Embedded Standard 7/Linux		
UTILITY PROGRAM	Winclone 6 and UWF (Windows 10)/EWF (Windows 7)		
POWER CONSUMPTION	13 W	33 W	38 W
INPUT VOLTAGE	AC 100–240 V, 50/60 Hz		
WEIGHT	3.8 kg (8.38 lb)	16.1 kg (35.49 lb)	