

500 SERIES



Industrial Panel PC

CIMON 500 Series 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 needs, including device endurance, user experience, and task execution.

CM-iNP510-D

CM-iNP512-D

CM-iNP515-D

CM-iNP519-D

Product Highlights

- Fast start-up, quick processing speeds, and greater functionality with the Intel Celeron J6412 processor.
- FCC, CE, cULus, KC, IP66, and NEMA 4X certified for demonstrated durability and dependability.
- Silent fanless operation, improved reliability, reduced maintenance requirements, and better dust and other contaminants resistance.
- Deployable with or without an operating system, supporting Windows 11, Windows 10, or Linux, and varying RAM and SSD storage configurations.
- UWF and EWF protect the integrity of system volume and RAM against unauthorized write operations, improving lifespan and reliability.
- Includes 2 x Gigabit Ethernet, 4 x USB ports, and up to 4 x serial channels.
- RAID 1 protocol mirrors information onto a separate disk for fault tolerance.
- Available in 10", 12", 15", or 19" sizes to suit various applications.



Fast



Reliable



Efficient



Secure

Functional

Part Number		CM-INP510-D	CM-INP512-D	CM-INP515-D	CM-iNP519-D
Enclosure	Front	Aluminum			
	Rear	Aluminum			
CPU		Intel® Celeron® Quad-Core J6412 SoC (Fanless)			
Memory		8GB DDR4 SDRAM			
Storage		SATA x 1 (SSD 250G Byte)			
Operating System		Windows 10 IoT Enterprise (Default) / Windows 11 IoT Enterprise / Windows 11 Pro / Linux			
Graphics		Integrated Intel HD Graphic			
LCD Size		10.4 inch	12.1 inch	15 inch	19 inch
Resolution		800x600 (SVGA)	1024x768 (XGA)	1024x768 (XGA)	1280x1024 (SXGA)
Backlight		LED			
Luminance		700cd/m ²	600cd/m ²	500cd/m ²	400cd/m ²
Backlight Life		50,000 hours		70,000 hours	50,000 hours
Touch		Resistive			
Display Ports		1 x HDMI port, 1 x DP port			
COM 1		1 x RS232/422/485 port (default: RS232)			
COM 2		1 x RS-232 port	2 x RS-232 ports		
COM 3		-	2 x RS-232 ports		
COM 4		-	1 x RS-422/485 port		
Ethernet		Gigabit Ethernet, 2 x ports			
USB		1 x USB 2.0 port, 3 x USB 3.0 ports			
Audio		1 x Line-Out port, 1 x Line-In port			
Power Supply		DC 24 V (MAX: DC 28.8 V)			
Power Consumption		42 W (MAX: 53 W)	51 W (MAX: 65 W)	48 W (MAX: 60 W)	44 W (MAX: 57 W)
Utility Program		UWF, Winclon 6.0 (Recovery System)			
Agency Approvals		IP66 (front), KC, CE, FCC, cULus			

Environmental

Item	Specification
Operating Temperature	0 – +50 °C (+32 – +122 °F)
Storage Temperature	-20 – +60 °C (-4 – +140 °F)
Operating Humidity	10%–90% RH (Below 29°C, No dew condensation)
Storage Humidity	10%–90% RH (Below 39°C, No dew condensation)

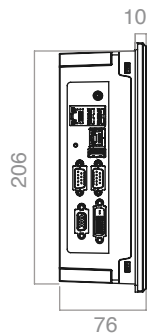
Physical

Part Number	CM-iNP510-D	CM-iNP512-D	CM-iNP515-D	CM-iNP519-D
Dimensions	280 x 220 x 76 mm (11.02 x 8.66 x 2.99 in)	329 x 249 x 81 mm (19.95 x 9.8 x 3.19 in)	395 x 310 x 86 mm (15.55 x 12.2 x 3.39 in)	479 x 388 x 77 mm (18.86 x 15.28 x 3.03 in)
Panel Cut	267 x 207 mm (10.51 x 8.15 in)	319 x 239 mm (12.56 x 9.41 in)	382 x 297 mm (15.04 x 11.69 in)	463 x 372 mm (18.23 x 14.65 in)
Weight	2.7 kg (5.95 lb)	3.5 kg (7.72 lb)	4.8 kg (10.58 lb)	7.8 kg (17.20 lb)

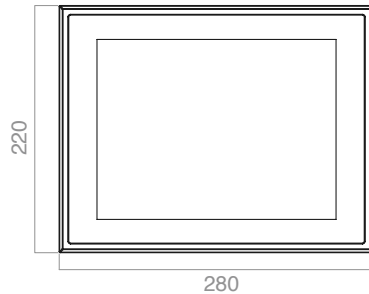
Spec Drawings

CM-iNP510-D

Unit: mm



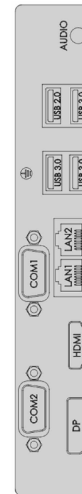
Left



Front



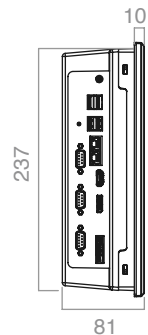
Bottom



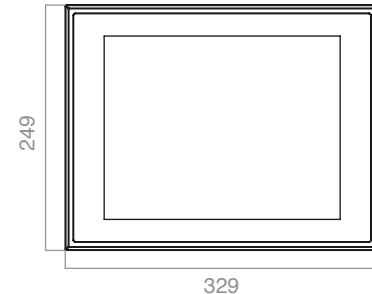
Ports

CM-iNP512-D

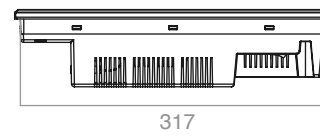
Unit: mm



Left



Front



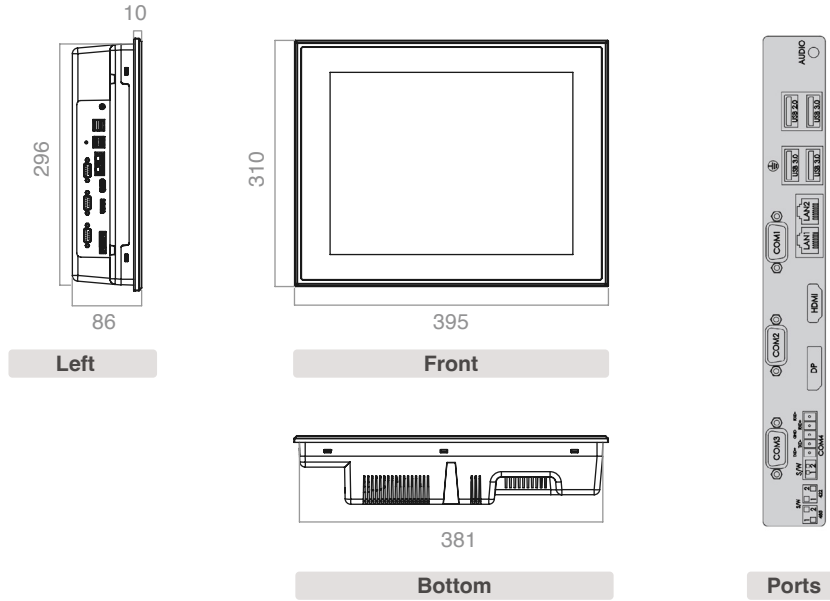
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Ports

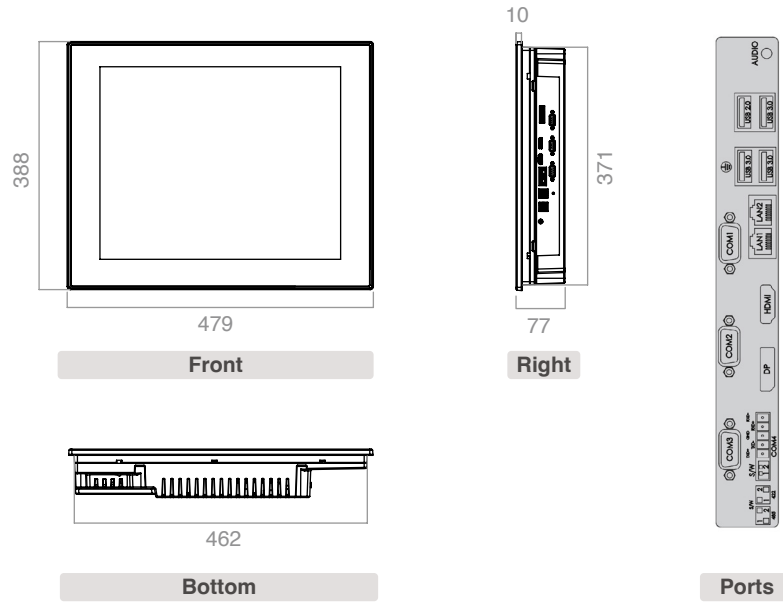
CM-iNP515-D

Unit: mm



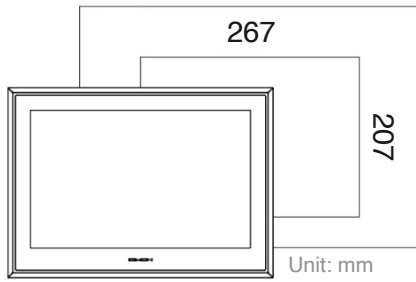
CM-iNP519-D

Unit: mm



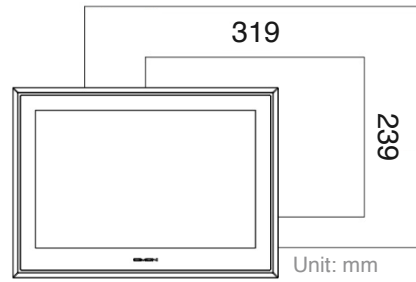
Installation

CM-iNP510-D



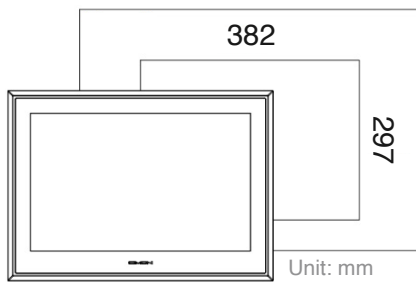
Panel Cut

CM-iNP512-D



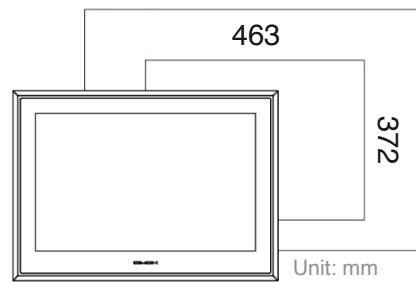
Panel Cut

CM-iNP515-D



Panel Cut

CM-iNP519-D



Panel Cut

Version: 04
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All CIMON products are backed by a 3-year warranty and our best-in-class technical support team.