

50000 SERIES



Industrial Panel PC

CIMON 50000 Series IPC is an industrial computer that runs on Windows 11 IoT/ Windows 11 Pro 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.

Resistive

CM-iNP-51112W-R-D

CM-iNP-51115W-R-D

CM-iNP-51121W-R-D

Capacitive

CM-iNP-51112W-C-D

CM-iNP-51115W-C-D

CM-iNP-51121W-C-D

Product Highlights

- Fast start-up, quick processing speeds, and greater functionality with the Intel Core™ i5-1145G7E processor.
- FCC, CE, KC, IP68 and IP69K 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 IoT Enterprise (Standard) or Windows 11 Pro.
- SSD 250GB additional storage option.
- UWF and EWF protect the integrity of system volume and RAM against unauthorized write operations, improving lifespan and reliability.
- Includes 2 x HDMI ports, 4 x USB 3.0 ports, 2 x gigabit Ethernet ports, and 2 x serial channels.
- Available in 12", 15", or 21" sizes to suit various applications.



VESA mount compatible



Fast



Reliable



Efficient



Secure

Functional

Resistive		CM-iNP-51112W-R-D	CM-iNP-51115W-R-D	CM-iNP-51121W-R-D
Capacitive		CM-iNP-51112W-C-D	CM-iNP-51115W-C-D	CM-iNP-51121W-C-D
Enclosure	Front	Aluminum		
	Rear	Aluminum		
CPU		11th Gen Intel® Core™ i5-1145G7E processor, Quad Core, 1.5 GHz (FANLESS)		
Memory		8GB DDR4 SDRAM (Max. 32 GB)		
Storage		SSD 500GB (M.2 / NVMe)		
Extra Storage Option		SSD 250 GB (2.5" / SATA)		
Operating System		Windows 11 IoT Enterprise (Standard) / Windows 11 Pro		
Graphics		Intel® Iris® Xe Graphics		
LCD Size		12.1 inch	15.6 inch	21.5 inch
Resolution		1280x800 WXGA (16:10)	1920x1080 FHD (16:9)	
Backlight		LED		
Luminance		600cd/m ²	450cd/m ²	400cd/m ²
Backlight Life		50,000 hours		
Touch		Resistive / Capacitive		
Display Ports		2 x HDMI port		
COM 1		1 x RS232/422/485 port (default: RS232)		
COM 2		1 x RS-232 port		
Ethernet		Gigabit Ethernet, 2 x ports		
USB		4 x USB 3.0 ports		
Power Supply		DC 24 V		
Power Consumption		69W (MAX : 75W)	71W (MAX : 77W)	74W (MAX : 81W)
Utility Program		UWF, Winclon (Recovery System)		
Agency Approvals	CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)		
	FCC	The 47 CFR Part15 Of FCC Requirement		
	KC	Registration of Broadcasting and Communication Equipments		
	Protection Class	IP68 (front), IP69K (front)		IP66 (front), IP69K (front)

Environmental

Resistive		CM-iNP-51112W-R-D	CM-iNP-51115W-R-D	CM-iNP-51121W-R-D
Capacitive		CM-iNP-51112W-C-D	CM-iNP-51115W-C-D	CM-iNP-51121W-C-D
Operating Temperature		-20°C – +60°C (-4 – +140 °F)		0°C – +60°C (32 – +140 °F)
Storage Temperature		-20°C – +80°C (-4 – +176 °F)		-20°C – +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)		

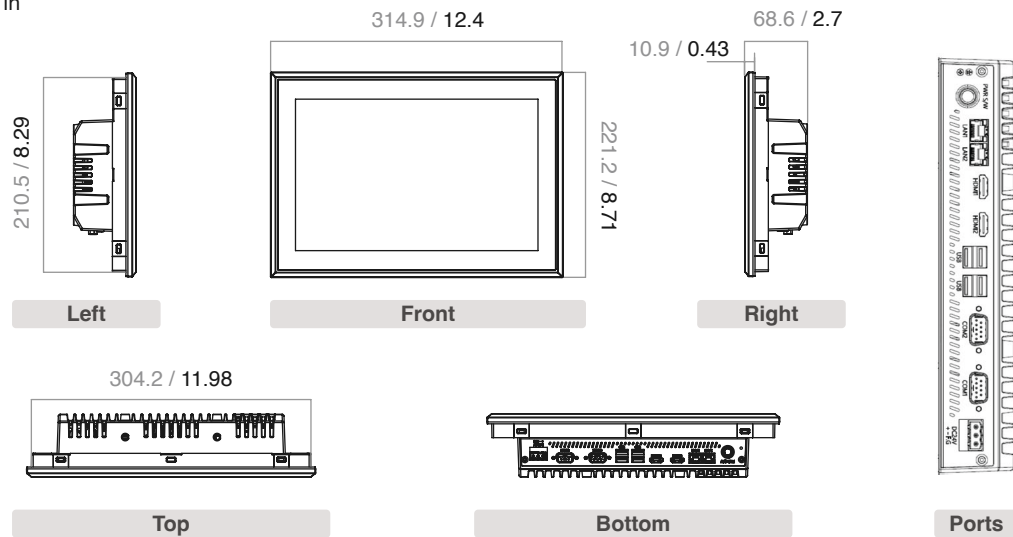
Physical

Model	All iNP-51112W Models	All iNP-51115W Models	All iNP-51121W Models
Dimensions	314.9 x 221.2 x 68.6 mm (12.4 x 8.71 x 2.7 in)	394.2 x 248.5 x 68.6 mm (15.52 x 9.78 x 2.7 in)	545.2 x 334.8 x 72.9 (21.46 x 13.18 x 2.87 in)
Panel Cut	305 x 212 mm (12.01 x 8.35 in)	385 x 239 mm (15.16 x 9.41 in)	536 x 326 mm (21.10 x 12.83 in)
Weight	2.8 kg (6.17 lb)	3.6 kg (7.94 lb)	6.6 kg (14.55 lb)
VESA Mount	100 x 100 mm (3.94 x 3.94 in)		

Spec Drawings

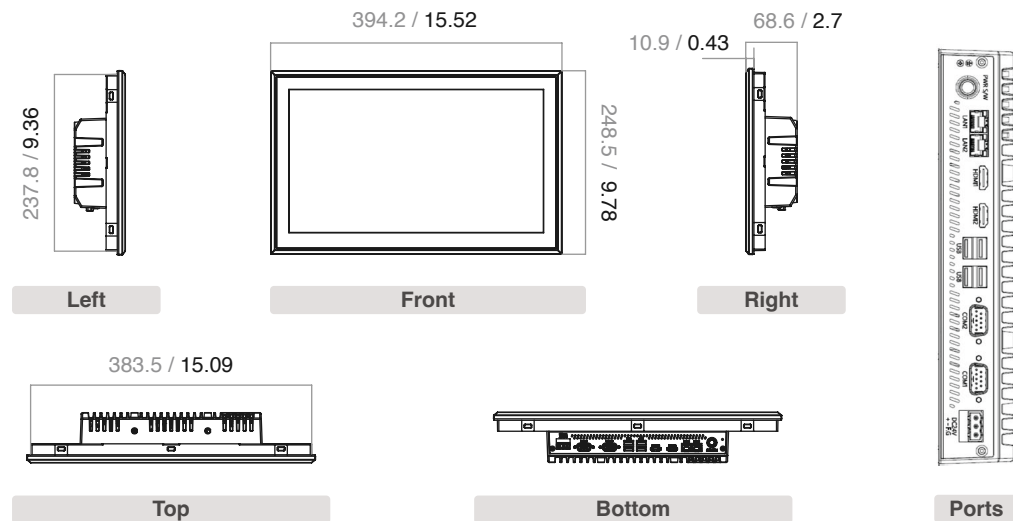
All iNP-51112W Models

Units: mm / in



All iNP-51115W Models

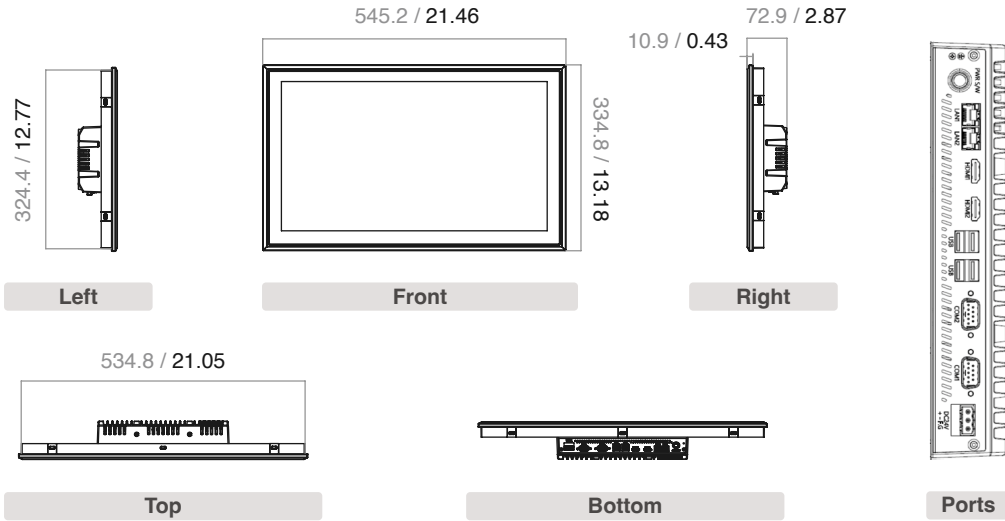
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Spec Drawings

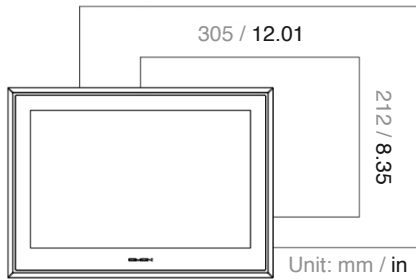
All iNP-51121W Models

Units: mm / in



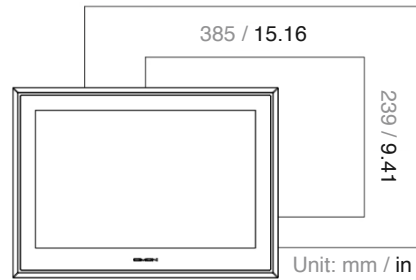
Installation

All iNP-51112W Models



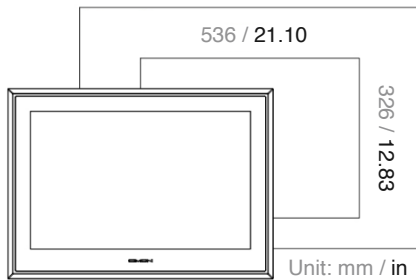
Panel Cut

All iNP-51115W Models



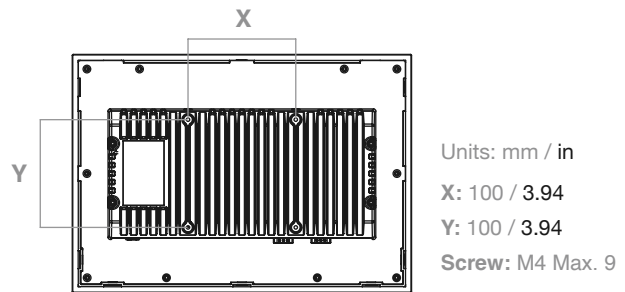
Panel Cut

All iNP-51121W Models



Panel Cut

All 5000 Series Models



VESA Mount