NP SERIES 600



Industrial Panel PC

CIMON NP Series 600 IPC is an industrial computer powered by an Intel® Atom® x7425E SoC processor and supporting Windows 11 IoT Enterprise or Windows 11 Pro. With a wide operating temperature range, IP69K front-panel protection, and a NEMA 4X rating, the NP Series 600 delivers reliable performance and durability in demanding industrial environments.

CM-iNP-610W-C-D

CM-iNP-615W-C-D

CM-iNP-621W-C-D

Product Highlights

- Intel® Atom® x7425E SoC processor delivers fast, efficient performance for industrial applications.
- Rugged aluminum enclosure with IP66, IP68, IP69K, and NEMA 4X front-panel protection.
- Fanless design ensures silent operation, improved reliability, and reduced maintenance.
- Supports Windows 11 IoT Enterprise and Windows 11 Pro for flexible deployment.
- Includes 250GB SSD storage with an optional 250GB SSD.
- UWF and Winclon recovery utility enhance system protection and reliability.
- Versatile connectivity with dual 2.5 Gigabit Ethernet, four USB 3.2, HDMI, DisplayPort, and serial ports.
- Available in 10.1”, 15.6”, and 21.5” capacitive touchscreen displays.



VESA mount compatible



Fast **Reliable** **Efficient** **Secure**

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IP69K

Functional

Model		CM-iNP-610W-C-D	CM-iNP-615W-C-D	CM-iNP-621W-C-D
Enclosure	Front	Aluminum		
	Rear	Aluminum		
CPU		Intel® Atom x7425E SoC (FANLESS)		
Memory		DDR5 SDRAM 8GB (Max. 16GB)		
Storage		SSD 250GB (2.5” / SATA)		
Extra Storage Option		SSD 250GB (M.2 / SATA3)		
Operating System		Windows 11 IoT Enterprise (Standard) / Windows 11 Pro		
Graphics		Integrated Intel® UHD Graphics		
LCD Size		10.1 inch	15.6 inch	21.5 inch
Touch Type		Capacitive		
Resolution		1280x800 WXGA (16:10)	1920x1080 FHD (16:9)	
Backlight		LED		
Luminance		500cd/m²	500cd/m²	400cd/m²
Backlight Life		50,000 hours		
Display Ports		1 x DP, 1 x HDMI		
Serial		1 x RS232 / 422 / 485 (COM1) (default: RS232), 1 x RS232 (COM2)		
Ethernet		2 x 2.5 Gigabit Ethernet		
USB		4 x USB 3.2 ports		
Audio		1 x Line-Out		
Power Supply		DC 24 V		
Power Consumption		57W (MAX : 61W)	61W (MAX : 67W)	73W (MAX : 78W)
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	IP66 / IP68 / IP69K (front)		IP66 / IP69K (front)
		NEMA Type : 4X (Front)		

Environmental

Model	CM-iNP-610W-C-D	CM-iNP-615W-C-D	CM-iNP-621W-C-D
Operating Temperature	-10°C – +60°C (14 – +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)		

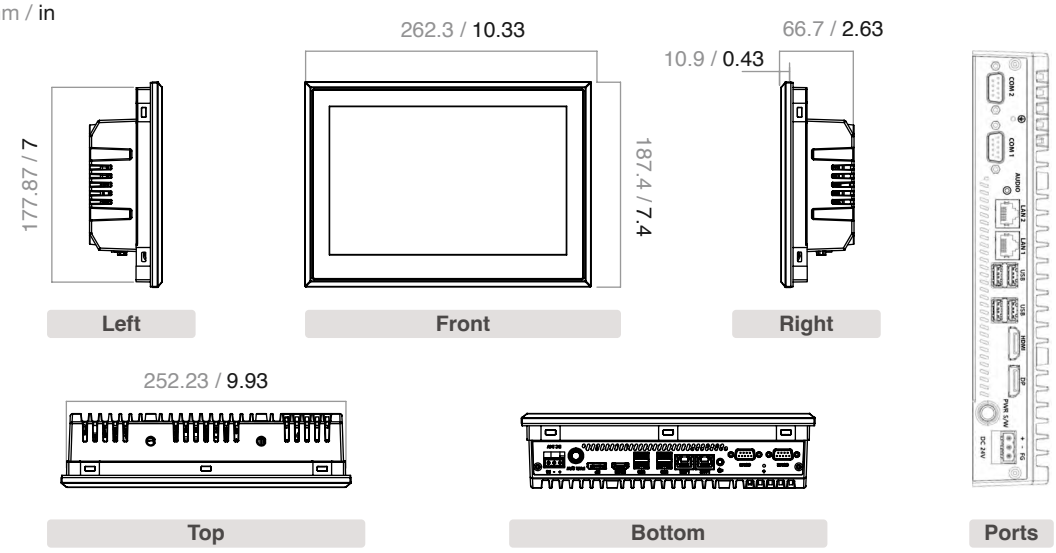
Physical

Model	CM-iNP-610W-C-D	CM-iNP-615W-C-D	CM-iNP-621W-C-D
Dimensions	262.3 x 187.9 x 66.7 mm (10.33 x 7.40 x 2.63 in)	394.2 x 248.5 x 68.6 mm (15.52 x 9.78 x 2.70 in)	545.2 x 334.8 x 72.9 mm (21.46 x 13.18 x 2.87 in)
Panel Cut	254 (+1, -0) x 179 (+1, -0) mm (10 x 7.05 in)	385 (+1, -0) x 239 (+1, -0) mm (15.16 x 9.41 in)	536 (+1, -0) x 326 (+1, -0) mm (21.10 x 12.83 in)
Weight	2.3 kg (5.07 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

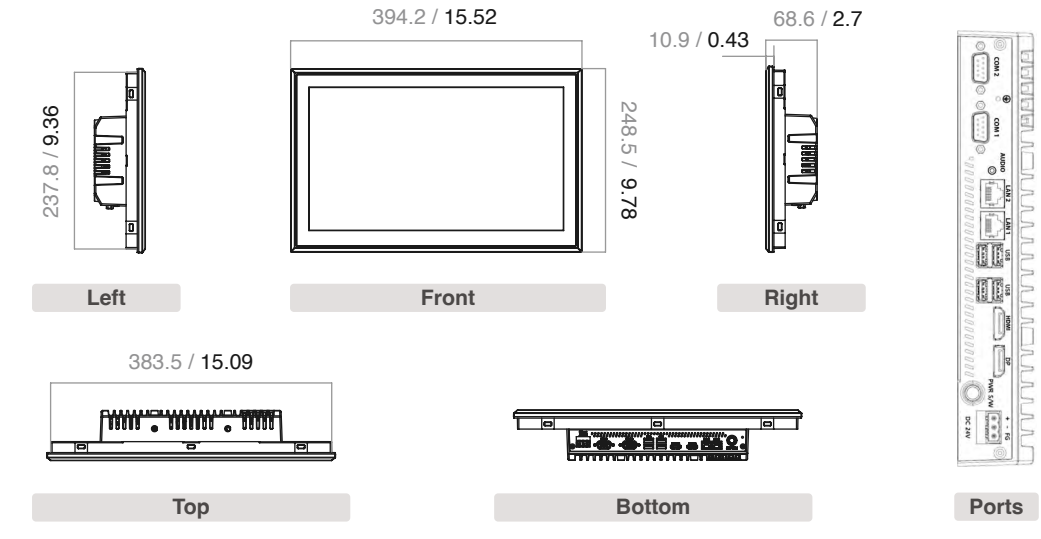
CM-iNP-610W-C-D

Units: mm / in



CM-iNP-615W-C-D

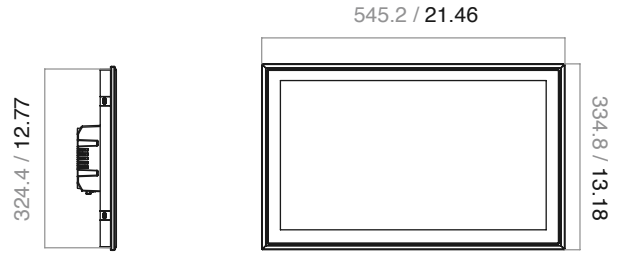
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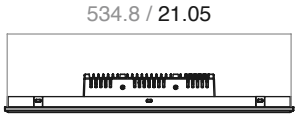
Spec Drawings

CM-iNP-621W-C-D

Units: mm / in



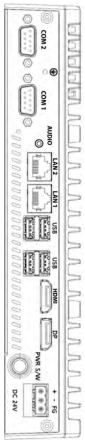
Left | Front | Right



Top



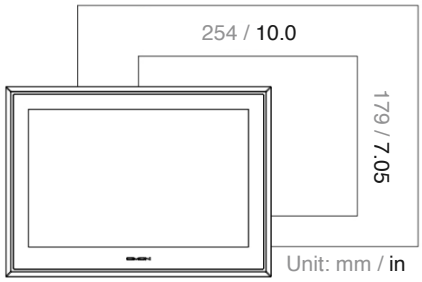
Bottom



Ports

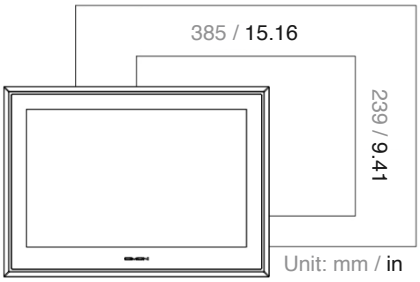
Installation

CM-iNP-610W-C-D



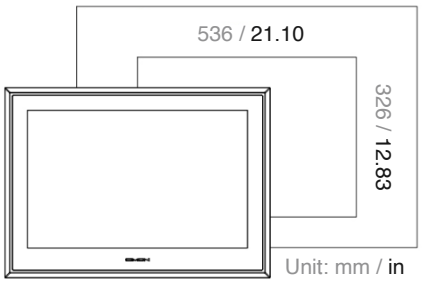
Panel Cut

CM-iNP-615W-C-D



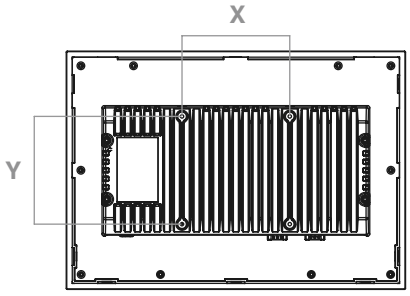
Panel Cut

CM-iNP-621W-C-D



Panel Cut

All NP Series 600 Models



Units: mm / in

X: 100 / 3.94

Y: 100 / 3.94

Screw: M4,
Max. Length: 9mm

VESA Mount

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