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IPC

Faster. Easier. Smarter.

CIMON

500 SERIES



Industrial Panel PC

The CIMON 500 Series IPC combines an Intel Quad-Core processor with Windows/Linux compatibility for powerful, seamless automation control. Engineered for demanding environments, its fanless design, UL certification, and 400-700 nits brightness deliver superior durability, reliability, and visibility.

CM-INP510-D

CM-INP512-D

CM-INP515-D

CM-INP519-D

Product Highlights

- Intel Celeron J6412 processor for fast start-up, quick processing, and enhanced functionality
- Certified for durability: FCC, CE, cULus, KC, IP66 and NEMA 4X
- Fanless design for silent operation, improved reliability, reduced maintenance, and better dust resistance
- ThinManager compatible
- 400–700 nits brightness
- Supports Windows 11, Windows 10, or Linux, with configurable RAM and SSD storage
- UWF and EWF safeguard system volume and RAM against unauthorized writes, extending lifespan
- Equipped with 2 × Gigabit Ethernet, 4 × USB ports, and up to 4 × serial channels



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 × 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		800×600 (SVGA)	1024×768 (XGA)	1024×768 (XGA)	1280×1024 (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)

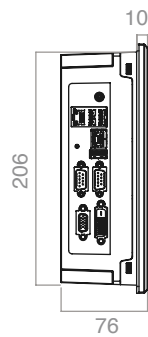
Physical

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)

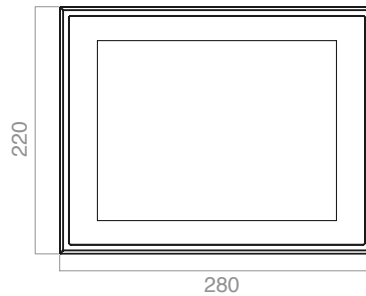
Spec Drawings

CM-iNP510-D

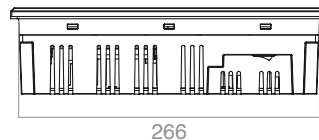
Unit: mm



Left



Front



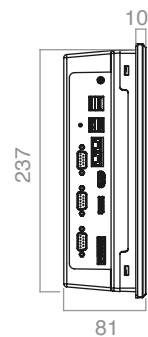
Bottom



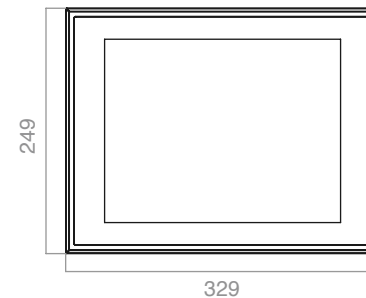
Ports

CM-iNP512-D

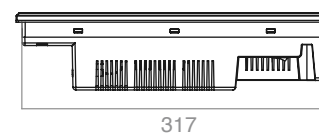
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Left



Front

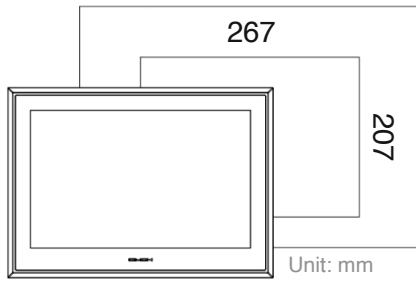


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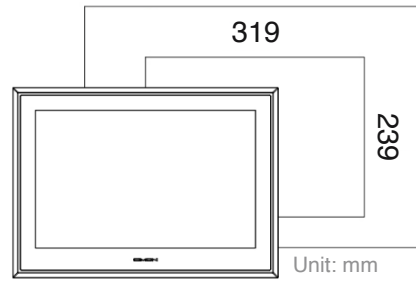
Ports

CM-iNP510-D



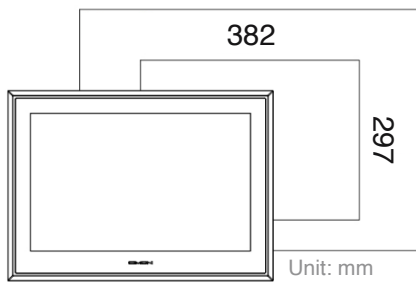
Panel Cut

CM-iNP512-D



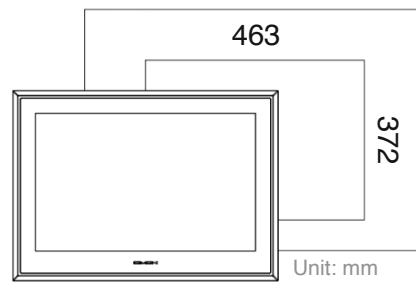
Panel Cut

CM-iNP515-D



Panel Cut

CM-iNP519-D



Panel Cut

NB SERIES



Industrial Box PC

Our NB Series Box PC features a high-speed fanless design for reliable performance in harsh environments. ThinManager-compatible and DIN-rail mountable, it offers strong noise immunity and meets cULus and CE certifications for industrial use.

CM-NB200-D

CM-NB3011-D

CM-NB5011-D

CM-NB7011-D

Product Highlights

- Four models offering a variety of high-performance CPUs:
 - Intel Celeron J3455 Quad Core (NB200-D)
 - Intel i3 Dual Core (NB3011-D)
 - Intel i5 Quad Core (NB5011-D)
 - Intel i7 Quad Core (NB7011-D)
- ThinManager Compatible
- High-speed fanless CPU
- Strong noise immunity
- Standard DIN-rail support
- Extended operating temperature
- All certification approval including cULus and CE
- WiFi/Bluetooth option
- Reliable performance by fanless CPU design in harsh environment
- UWF/Winclon for secured restoration



Fast



Reliable



Efficient



Secure

Functional

Part Number	CM-NB200-D	CM-NB3011-D	CM-NB5011-D	CM-NB7011-D
CPU	Intel Celeron J3455 Quad Core, 1.5GHz, 2M Cache (10W)	11th Intel® Core™ i3-1115G4E Dual Core, 2.2 GHz, 6M Cache (15W)	11th Intel® Core™ i5-1145G7E Quad Core, 1.5 GHz, 8M Cache (15W)	11th Intel® Core™ i7-1185G7E Quad Core, 4.4 GHz, 12M Cache (15W)
Memory	8GB DDR3L SO-DIMM	8GB DDR4 SO-DIMM		
Storage	1 x M.2 SATA 2242 Key SSD (Default 256GB)	1 x M.2 2280 Key M 250 GB (PCIe x4 only)		
Operating System	Windows 10 IoT Enterprise, Linux	Windows 10 IoT Enterprise (Default) / Windows 11 IoT Enterprise / Windows 11 Pro / Linux		
Graphics	Intel® HD graphics 500	Intel® UHD graphics	Intel® Iris® Xe graphics	
Display Ports	2 x HDMI 1.4b ports, resolution 3840 x 2160 @ 30Hz	1 x DP++ port, 4096 x 2304 @ 60Hz 1 x HDMI 2.0 port, 4096 x 2160 @ 60Hz		
COM 1	1 x RS232/422/485 port (default: RS232)			
COM 2	1 x RS-232 port	-		
Ethernet	2 x Gigabit Ethernet (10/100/1000BaseTX) ports			
USB	2 x USB 2.0 ports, 2 x USB 3.0 ports	4 x USB 3.0 ports		
Audio	1 x Line-Out port			
Power Supply	DC 24 V (MAX: DC 28.8 V)			
Power Consumption	6W (MAX: 18W)	35 W (MAX: 58 W)	36 W (MAX: 67 W)	33 W (MAX: 84 W)
Utility Program	UWF, Winclon 6.0 (Recovery System)			
Agency Approvals	IP30, KC, CE, FCC, cULus			

Environmental

Part Number	CM-NB200-D	CM-NB3011-D	CM-NB5011-D	CM-NB7011-D
Operating Temperature	-20 – + 60°C (-4 – +140°F)			-20 – + 50°C (-4 – +122°F)
Storage Temperature	-20 – + 80°C (-4 – +176°F)			
Operating Humidity	10%–90% RH (Below 29°C, No dew condensation)			
Storage Humidity	10%–90% RH (Below 39°C, No dew condensation)			

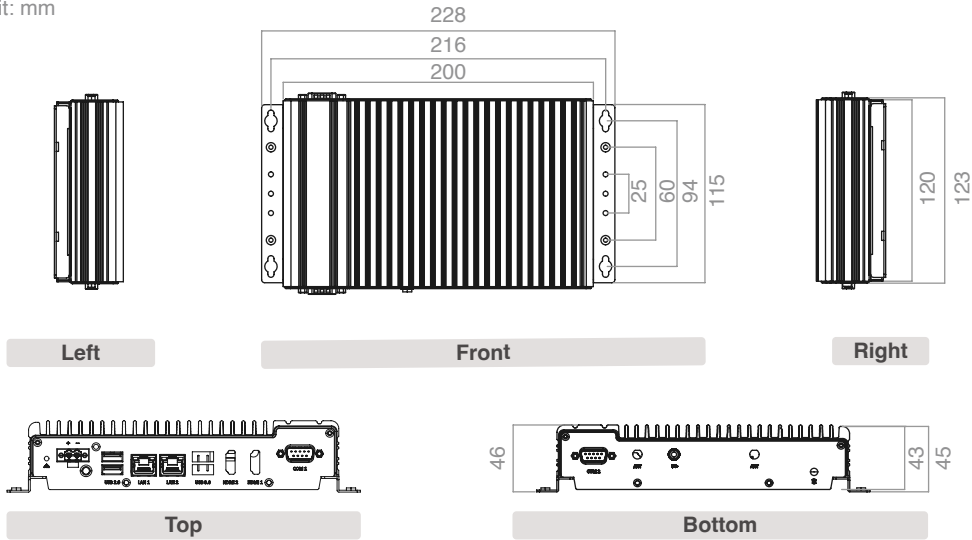
Physical

Part Number	CM-NB200-D	CM-NB3011-D	CM-NB5011-D	CM-NB7011-D
Dimensions	200 x 117.6 x 43.4 mm (7.9 x 4.6 x 1.7 in)	227.6 x 132.6 x 42.0 mm (9.0 x 5.2 x 1.7 in)		
Weight	1.21 kg (2.67 lb)	1.27 kg (2.80 lb)		
Mounting	DIN rail			

Spec Drawings

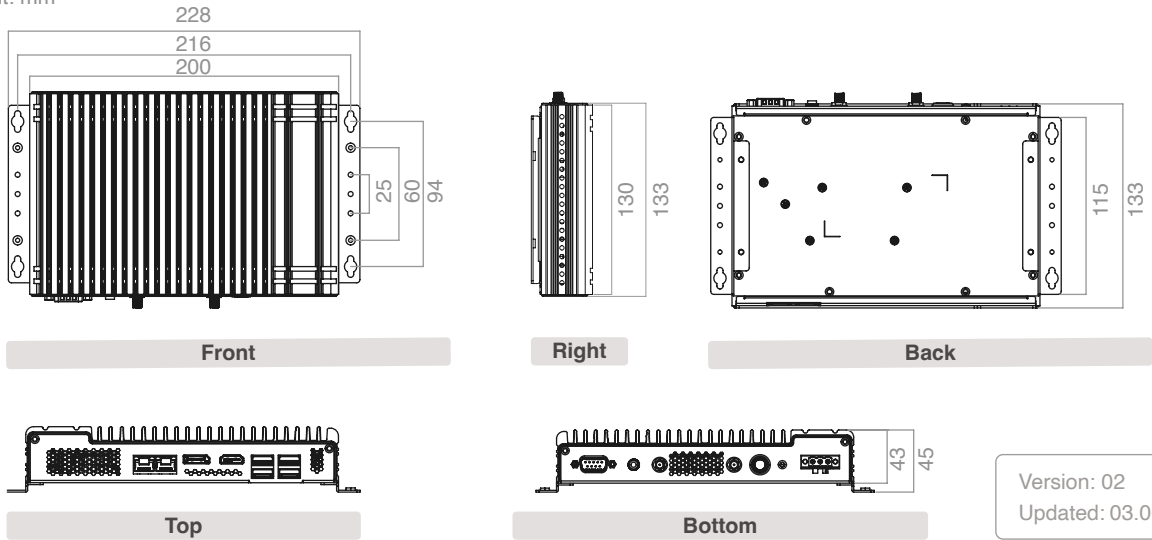
CM-NB200-D

Unit: mm



CM-NB300-D, CM-NB3011-D, CM-NB5011-D, CM-NB7011-D,

Unit: mm



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