

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-NB5011-D
CM-NB7011-D

Product Highlights

- Two models offering a variety of high-performance CPUs:
 - 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



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Fast

Reliable

Efficient

Secure

Functional

Part Number		CM-NB5011-D	CM-NB7011-D
CPU		11th Intel® Core™ i5-1145G7E Quad Core, 1.5 GHz, 8M Cache (15W)	11th Intel® Core™ i7-1185G7E Quad Core, 1.8 GHz, 12M Cache (15W)
Memory		8GB DDR4 SO-DIMM	
Storage		1 x M.2 2280 Key M 250 GB (PCIe x4 only)	
Operating System		Windows 11 IoT Enterprise (Default) / Windows 11 Pro / Linux	
Graphics		Intel® Iris® Xe graphics	
Display Ports		1 x DP++ port, 4096 × 2304 @ 60Hz 1 x HDMI 2.0 port, 4096 x 2160 @ 60Hz	
COM 1		1 x RS232/422/485 port (default: RS232)	
Ethernet		2 x Gigabit Ethernet (10/100/1000BaseTX) ports	
USB		4 x USB 3.0 ports	
Audio		1 x Line-Out port	
Power Supply		DC 24 V (MAX: DC 26.4 V)	
Power Consumption		36 W (MAX: 67 W)	33 W (MAX: 84 W)
Utility Program		UWF, Winclon 6.0 (Recovery System)	
Agency Approvals	UL	UL61010-1 / UL61010-2-201 (E231117)	
	CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)	
	FCC	The 47 CFR, Part2, Part15 and Part 18 Of FCC Requirement	
	KC	Registration of Broadcasting and Communication Equipments	
	Protection Class	IP20	

Environmental

Part Number		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)	

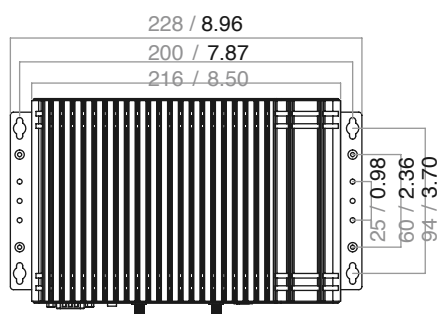
Physical

Part Number	CM-NB5011-D	CM-NB7011-D
Dimensions	227.6 x 132.6 x 42.0 mm (8.96 x 5.22 x 1.65 in)	
Weight	1.27 kg (2.80 lb)	
Mounting	DIN rail	

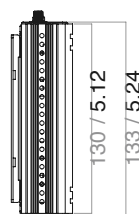
Spec Drawings

CM-NB5011-D, CM-NB7011-D

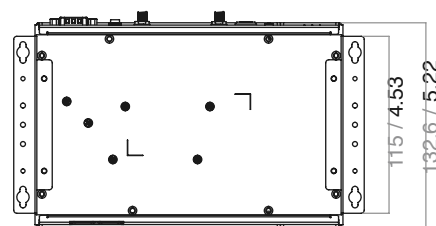
Units: mm / in



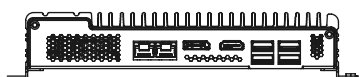
Front



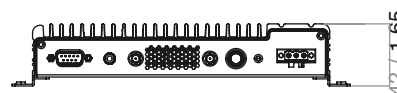
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