

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 10 IoT Enterprise (Default) / Windows 10 Pro / Windows 10 Enterprise	
Graphics	Intel® Iris® Xe graphics	
Display Ports	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)	
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)	

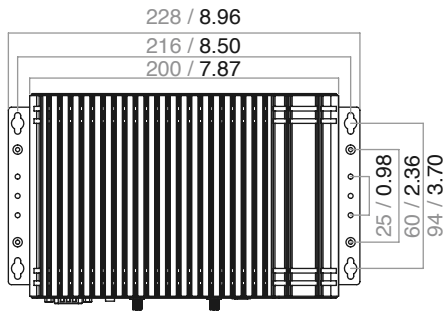
Physical

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	

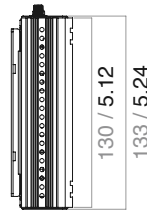
Spec Drawings

CM-NB5011-D, CM-NB7011-D

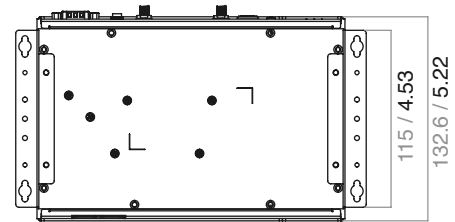
Units: mm / in



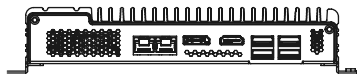
Front



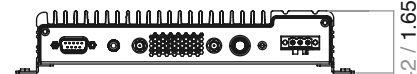
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