

# i8000M2



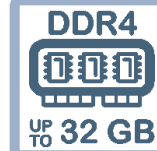

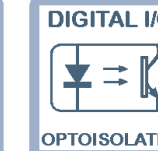
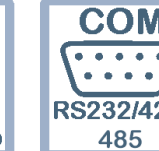
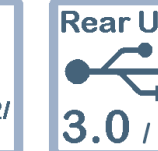




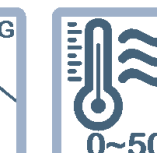




Pc Box for industrial environment



The product may differ from the images shown

- ✓ Chassis designed for industrial environments
- ✓ Fanless cooling system
- ✓ No acoustic impact, 0dBA emissions with SSD storage
- ✓ High availability of I/O ports: RS232/422/485, Gb LAN, USB 2.0/3.0...
- ✓ Optoisolated digital I/O
- ✓ High performance computing thanks to Intel® Core™ processors
- ✓ Wide tolerance input voltage

	<b>NON</b> 24/7 <b>STOP</b>	Coffee Lake CPU  9 <sup>th</sup> Gen Intel® Core™	<b>DDR4</b>  UP TO 32 GB	 9 x Gb LAN	<b>DIGITAL I/O</b>  OPTOISOLATED	<b>COM</b>  RS232/422/ 485	<b>Rear USB</b>  3.0 / 2.0
<b>WIDE POWER</b> DC-IN 24V 12-36V	 <b>PCI EXPRESS</b>	<b>0dB</b> Emission 	<b>Fanless</b> 	<b>WATCHDOG</b>  1-255s	 0~50°C	 <b>RoHS</b>	 <b>CE</b>



## Computing unit features

<b>System</b>	<b>Processor</b>	8 <sup>th</sup> & 9 <sup>th</sup> Generation Intel® Core™ i3/i5/i7/i9 Pentium / Celeron TDP MAX 35W	
	<b>Chipset</b>	Intel® Q370 Chipset	
	<b>Internal expansion slots</b>	1 x Full-size Mini PCIe (PCIe/mSATA/USB 3.0/2.0) 1 x M.2 B key Type2242 (PCIe/mSATA/USB 3.0/2.0) 1 x PCIe slot (used for LAN)	
<b>Memory</b>	<b>Max expansion</b>	32GB	
	<b>Type</b>	SO-DIMM DDR4 2666/2400MHz	
<b>Back I/O interfaces</b>	<b>Slot</b>	2 (dual channel)	
	<b>USB</b>	4 x USB 3.1/2.0/1.1	
	<b>LAN</b>	9 x RJ45	
	<b>Video</b>	1 x DP 1 x HDMI	
	<b>Audio</b>	1 x Mic-In 1 x Line-Out	
	<b>Power</b>	1 x DC-IN (Phoenix 4P) 1 x Jack	
	<b>Button</b>	1 x Power switch	
	<b>Front I/O interfaces</b>	<b>Serial</b>	4 x RS232/422/485
		<b>Digital I/O</b>	2 x 10P Phoenix connector :
4 x Opto isolated input pin (24V DC/GND)			
12 x Opto isolated output pin (max 50mA @24V DC per pin)			
<b>Storage</b>	<b>Internal storage bay HDD/SSD</b>	4 x External 24V PSU connection pin (24V DC & GND)	
	<b>External storage bay HDD/SSD</b>	1 x mSATA SSD 1 x M.2 B Key, Type 3042 (mSATA/PCIe x2/USB 3.0-2.0)	
	<b>Controller</b>	2 x Removable box for HDD/SSD SATA 2.5"	
	<b>Supported features</b>	SATA 3 6.0Gb/s	
<b>Graphics subsystem</b>	<b>Integrated graphics adapter</b>	Intel® HD Graphics (specific features depend on installed processor)	
	<b>Supported features</b>	DirectX 12, OpenGL 4.5	
<b>Management</b>	<b>Watchdog timer</b>	Software programmable from 1 to 255s	
<b>Network subsystem</b>	<b>Integrated LAN adapter</b>	1 x Intel® i219LM (10/100/1000Mbps)	
		4 x Intel® i210IT (10/100/1000Mbps)	
		4 x Intel® i210IT (10/100/1000Mbps) (PCIe x1 card)	

<b>Power supply</b>	<b>Input voltage</b>	24V DC (Optional external AC power adapter) Tolerance : From 12V DC to 36V DC
	<b>AC Adapter (optional)</b>	AC Input : From 100V AC to 240V AC DC Output : 19V DC, 7.89A
<b>Software</b>	<b>Power consumption</b>	65W (estimated @ 75% stress for medium configuration)
	<b>Supported operating system</b>	Windows 10 / 10 IoT Ent. 64bit
<b>Mechanical</b>	<b>Fixing method</b>	Wall mount
	<b>Dimensions</b>	See next pages
<b>Environment</b>	<b>Operating temp.</b>	0°C ~ +50°C with SSD storage -20°C ~ +50°C with SSD storage (optional) -20°C ~ +60°C with CFast/mSATA storage (optional)
	<b>Non operating temp.</b>	-20°C ~ +70°C
	<b>Relative humidity</b>	20% ~ 90% Not condensed
<b>Certifications</b>	<b>Reference marks</b>	CE, FCC, RoHS
	<b>Directive</b>	Built according to European Directive 2014/30/EU (EMCD), 2014/35/EU (LVD) and 2011/65/EU (RoHS)
<b>Company</b>	<b>Reference standard</b>	UNI EN ISO 9001
<b>Datasheet</b>	<b>Doc. ref.</b>	ZST-4292-00000083-00
<b>Ordering code</b>	<b>CNPCBOXFL-M2-5A-00</b>	Fanless PC, i8000M2, 3I370DW System, i5-8500T, 9 LAN, DIO 4IN12O, 4x USB3.1
<b>Optional</b>	<b>ADT111-00</b>	External AC/DC Adapter AC Input : From 100V AC to 240V AC DC Output : 19V DC, 7.89A





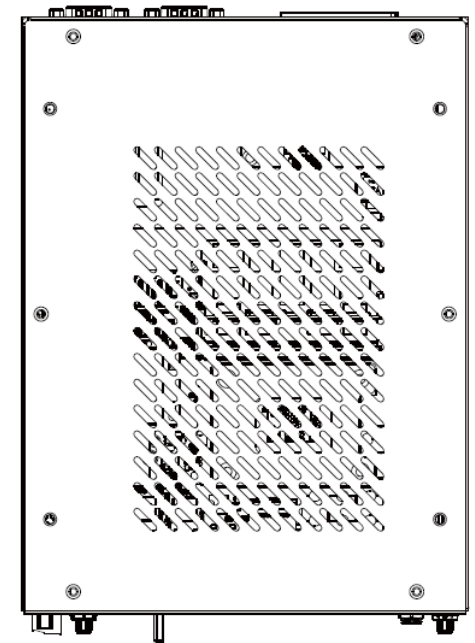
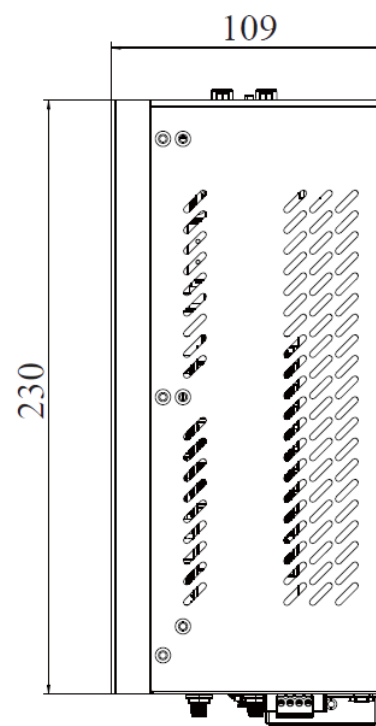
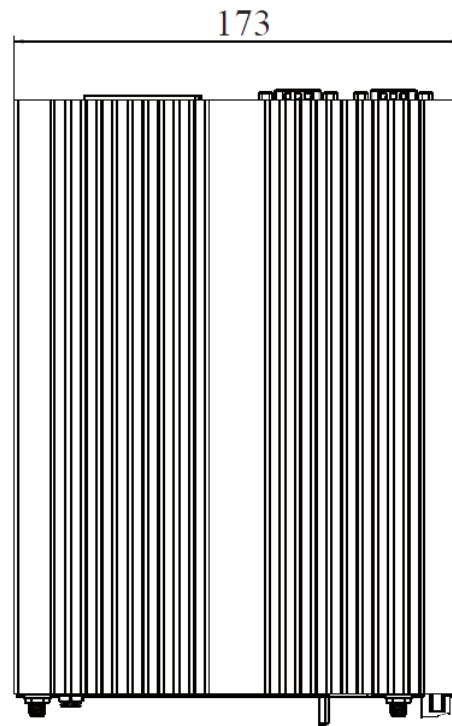
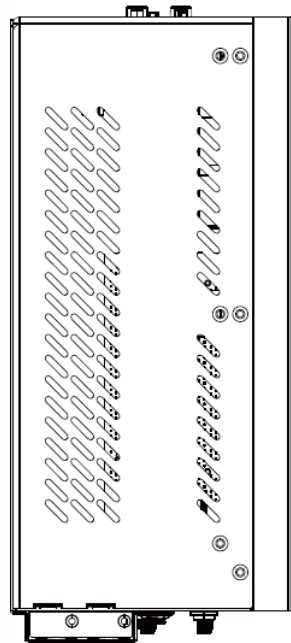
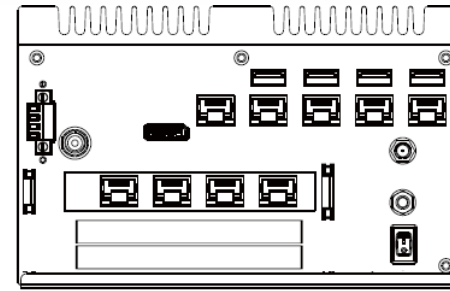
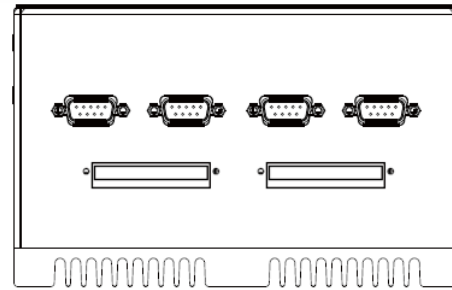
**Intercomp S.p.A.**  
Via della Scienza 27, 37139, Verona, Italia  
Tel +39 045-8378411 Fax +39 045-8510539  
[www.intercomp.it](http://www.intercomp.it) [intercomp@intercomp.it](mailto:intercomp@intercomp.it)

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Last update 30/11/2020



## Overall dimensions



All dimensions are expressed in millimeters (mm)