















Pc Box 7110

Pc Box for industrial environment



- ✓ 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...
- ✓ High performance computing thanks to Intel® Core™ processors
- ✓ Available with UPS with wide tolerance input voltage

	NON 24/7 STOP	Intel® Core™  7 th Gen / 6 th Gen	DDR4  UP To 32 GB	 2 x Gb LAN	COM  RS232/422/ 485	WiFi  802.11ac	 4.0 Bluetooth
WIDE POWER DC-IN 24V 15~36V	WATCHDOG  1-255s	Rear USB  3.0 / 2.0	0dB Emission 	Fanless 	 0~45°C	 RoHS	



Technical features

System	Processor	7 th & 6 th Generation Intel® Core™ i3/i5/i7 TDP MAX 35W - LGA1151 Socket	
	Chipset	Intel® H110 Chipset (Intel® GL82H110 PCH)	
	Internal expansion slots	1 x Full-size mSATA (USB/SATA) 1 x Half-size miniPCIe (USB/PCIe)	
	Memory		
	Max expansion	32GB	
	Type	SO-DIMM DDR4 1866/2133MHz	
	Slot	2 (dual channel)	
Back I/O interfaces	Serial	1 x RS232/422/485 (RS232 and/or power) 2 x RS232 optional	
	USB	4 x USB 3.0/2.0/1.1 2 x USB 2.0/1.1	
	LAN	2 x RJ45 1 x RJ45 optional	
	Video	1 x DVI-D 1 x HDMI	
	Digital I/O (optional)	10P Phoenix connector : 3 x Opto isolated inputs (24V DC) 5 x Opto isolated output (max 400mA @24V DC per pin) 2 x External 24V PSU connection (24V DC & GND)	
	Power Button	1 x DC-IN (Phoenix 2P) 1 x Power switch	
	Storage	Internal storage bay HDD/SSD	1 x HDD/SSD SATA 2.5" 1 x mSATA SSD
		External storage bay HDD/SSD	1 x Removable box for HDD/SSD SATA 2.5" (This is the default bay for the primary storage device)
		Controller	SATA 3 6.0Gb/s
	Graphics subsystem	Integrated graphics adapter	Intel® HD Graphics
Supported features		DirectX 12, OpenGL 5.0, OpenCL 2.1	
Resolution		DVI-I: up to 1920x1200@60Hz HDMI: up to 2560x1600@60Hz or 4096x2160@24Hz	
Management	Watchdog timer	Software programmable from 1 to 255s WOL (Wake On Lan)	
	Wake On Events	Wake by RTC (Wake by date/time) AC power failure recovery	
Network subsystem	Integrated LAN adapter	1 x Intel® I211AT PCIe (10/100/1000Mbps) 1 x Intel® I219V PCIe (10/100/1000Mbps)	
	Additional LAN Adapter (optional)	1 x Realtek RTL8168C Gigabit Ethernet controller	
	WiFi (optional)	WiFi compliant with IEEE 802.11a/b/g/n/ac Bluetooth 2.1/3.0/4.0 2 x External sma stylus antenna	

Power supply	Input voltage	24V DC Tolerance : From 15V DC to 36V DC
	External AC power adapter (optional)	AC Input : From 100V AC to 240V AC DC Output : 19V DC, 6.32A
	Power consumption	Average 45W @ 75% stress
	UPS	
Wide range 6-30VDC (optional)	Input voltage	From 6V DC to 30V DC
	Battery type	Li-Ion
	Total capacity	2600mAh
	Charging Up time	3h from 10% to full charge Up to 1h (Estimated with new & full charge battery, PcBox 7110 medium conf, working stress 10%)
Software	Supported operating system	Windows 10 / 10 IoT Ent. 64bit
Mechanical Features	Fixing method	Wall mount Desktop VESA 100
	L x H x D	See next pages
	Weight	5.1 Kg for medium configuration
	Environment	
	Operating temp.	0°C ~ +45°C with SSD storage 5°C ~ +45°C with HDD storage
	Non operating temp.	-10°C ~ +60°C
	Relative Humidity	20% ~ 90% Not condensed
	Protection Degree	IP20
	Suitable for	Indoor use only
Product Certifications	Reference Marks	CE, RoHS
	Directives	Built according to European Directive 2014/53/EU (RED) & 2015/863/EU (RoHS III)
Company Certifications	Reference standard	UNI EN ISO 9001
	Doc. ref.	ZST-4292-0000012-04





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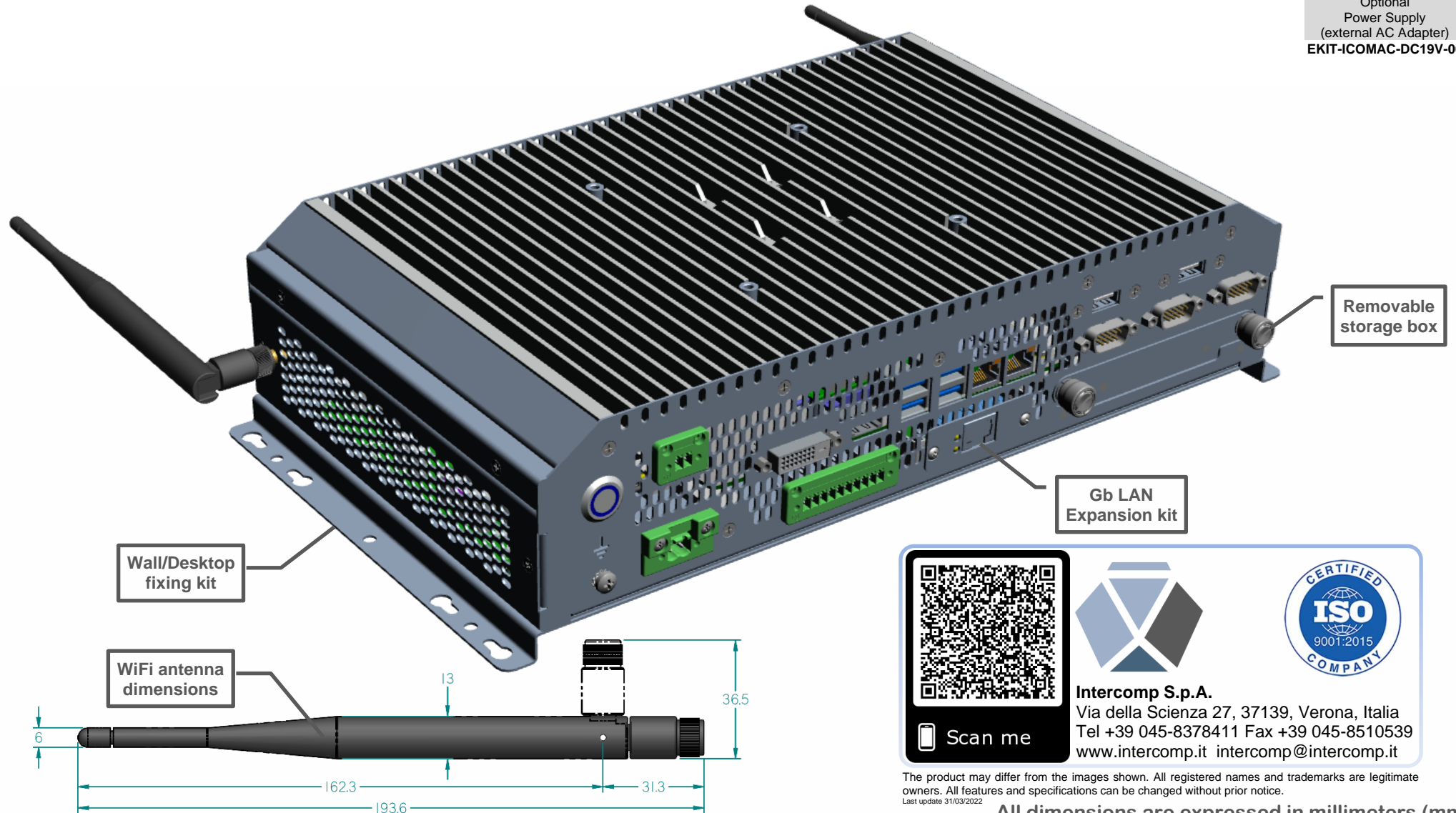
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Last update 31/03/2022

All dimensions are expressed in millimeters (mm)



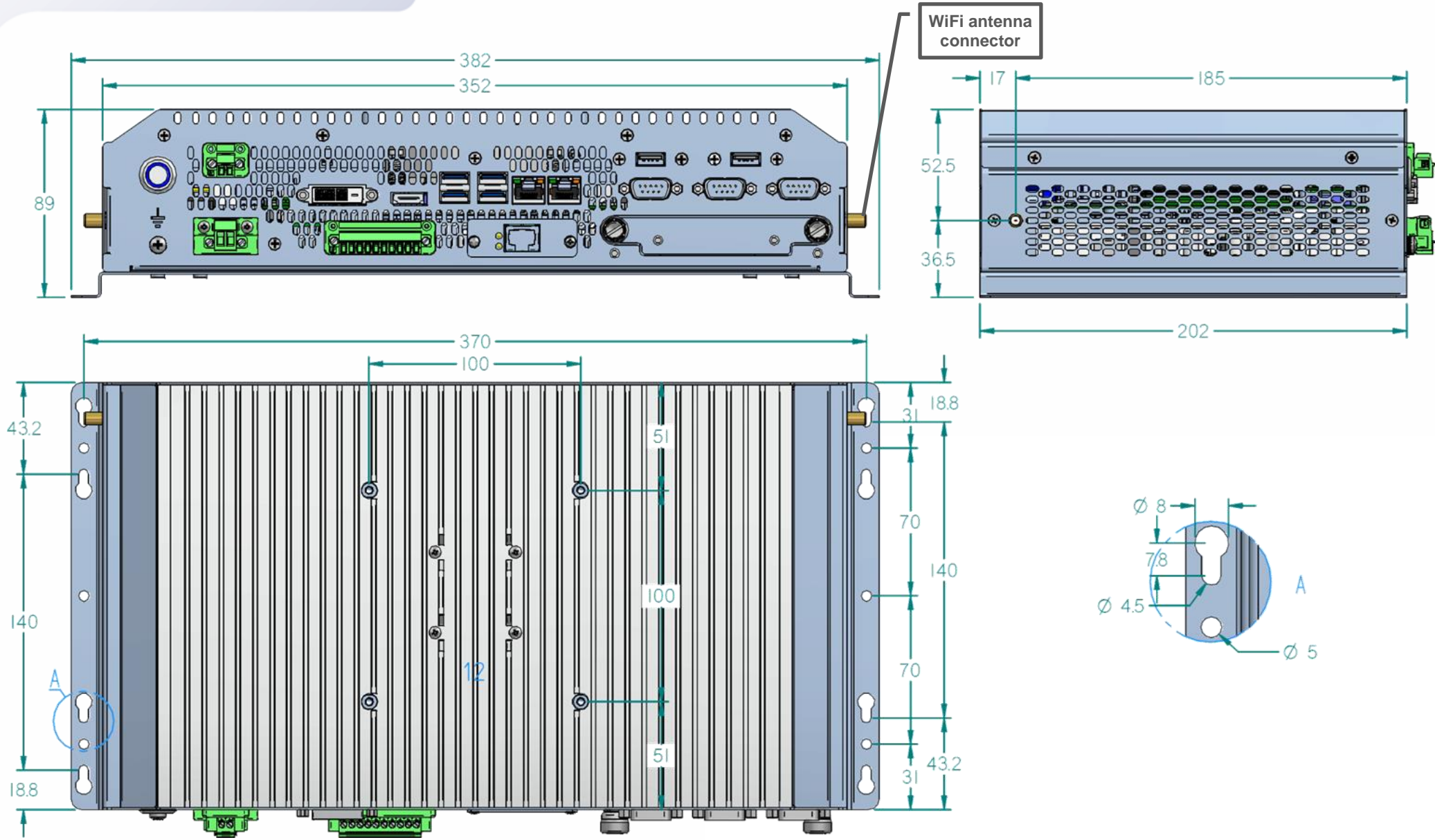
Ordering code

Ordering code	Standard Fixing system	Standard Computing unit	Standard Input Voltage	Standard Gb LAN	Optional 1 x Gb LAN	Standard COM	Optional serial port 2 x COM	Standard USB	Optional UPS Wide range 6-30VDC	Optional WiFi kit	Optional Digital I/O 3 x Input / 5 x Output
CNPCBOX-7110-0x	Wall/Desktop VESA100	7 th & 6 th Gen Intel® Core™	15-36V DC	2	EKIT-ICOMAC-LAN01-00 (as an alternative to WiFi kit)	1	EKIT-ICOMAC-2XCOM-00	6	EKIT-ICOMAC-UPS02-00	EKIT-IND-WIFI-006 (as an alternative to LAN kit)	EKIT-ICOMAC-DIO01-00
											Optional Power Supply (external AC Adapter) EKIT-ICOMAC-DC19V-00





Mechanical Features



All dimensions are expressed in millimeters (mm)