

Compact Embedded Industrial PC

- ⑥ Intel® Celeron® Processor J1900
- ⑦ Intel® Celeron® Processor J6412

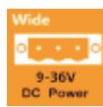
- ⑨ Intel® Core™ 10th Processor
- ② Intel® Core™ 12th Processor



### Features

- Intel 10<sup>th</sup> Gen. Core I3/I5/I7 CPU
- 1\* DDR4 2133Mhz SO-DIMM, max 16GB
- 1\*SATA 2.5inch SSD, 1\* mSATA SSD socket
- HDMI+VGA Dual Display
- Wireless Design
- Aluminum Chassis, Fanless Design

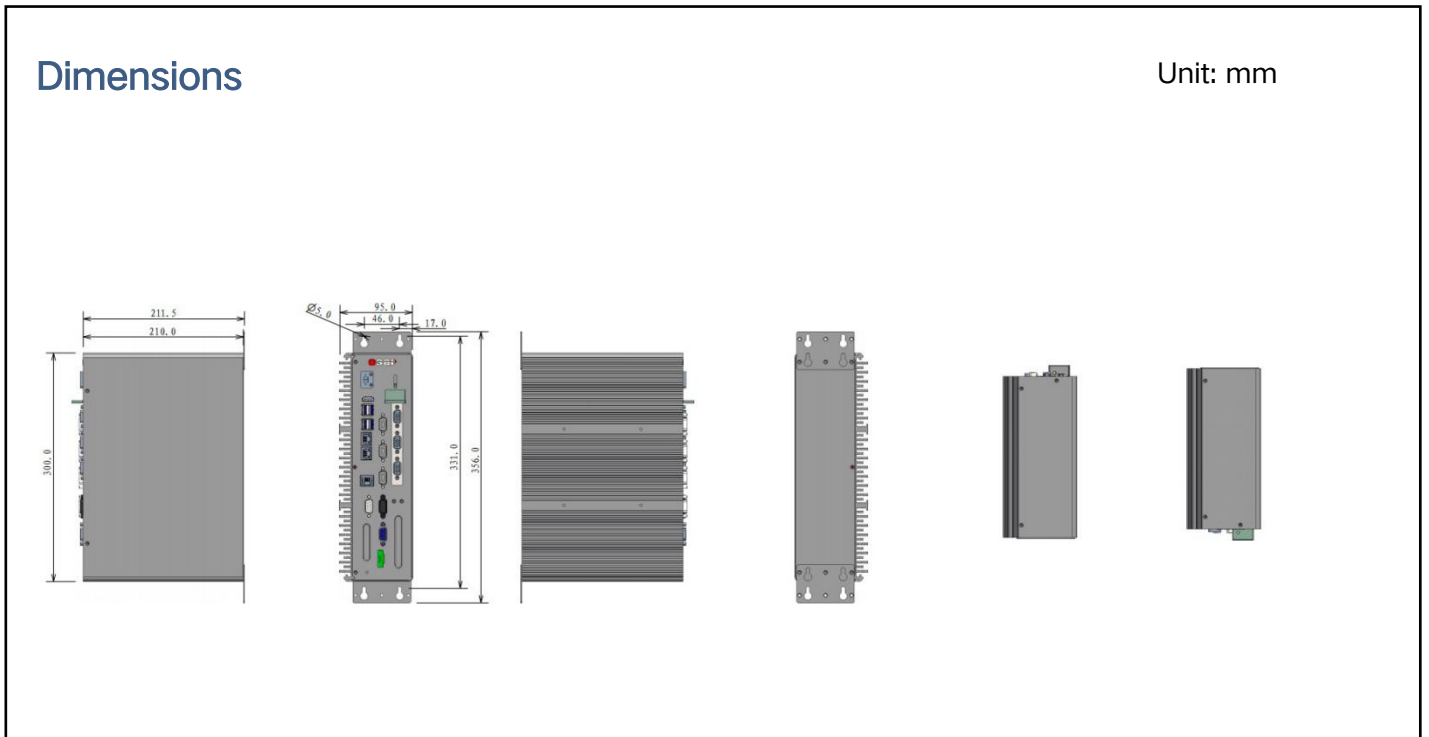
CTN-309A is an industrial PC equipped with an Intel® 10<sup>th</sup> Gen. Core I3/I5/I7 processor. Meeting the demands of harsh environments, the fanless design makes the CTN-309A extra reliable for applications in the machine building industry. In addition, the three GbE LAN, 2 x serial ports, 4 x USB ports, make device connection and integration easy.



### Specifications

Processor	CPU	Intel® i3-10110U Dual Core, 2.10-4.10 GHz 4M Cache, TDP 15W Intel® i5-10210U Quad Core, 1.60-4.20 GHz 4M Cache, TDP 15W Intel® i7-10510U Quad Core, 1.80-4.90 GHz 4M Cache, TDP 15W	
	Cooling System	Fanless	
	Memory	1x DDR4 2133Mhz SO-DIMM Sockets, up to 16GB	
	Storage	1x Full Size Mini PCIe mSATA SSD+1x2.5" SATA SSD	
	I/O ports		2xUSB3.0+2xUSB2.0 (Type-A)
			1xRS232, DB9 Type
			1xRS232/422/485 (Configurable through Jumpers), DB9 Type
			Dual Display: HDMI(3840*2160 @24Hz)+VGA(1920*1080 @60Hz)
			1x mini-PCIe port, Full Length
			3x Spare connectors holes, DB9 Type
		1x PCIe Slot, 1x4 Speed	
Network(LAN)		1xGPIO, Internal Input Port Set by a Resistor Soldered on the PCB	
		Wi-Fi: 802.11a/g/n, 2x2 Antenna, 2.4/5 GHz, 300 Mbps Max Speed	
Power Supply	Input Voltage	12V DC (3 Pin Phoenix Connector) , optional 9V-36V DC	

	Control SW	1x Power SW, AT/ATX optional
	Remote Switch Connector	Phoenix Connector
<b>OS Support</b>	OS Support	Microsoft Windows 7/ Windows 10/ Windows 11/ Linux
<b>Environment</b>	Operating Temperature	0°C ~ 50°C (extend temperature optional)
	Storage Temperature	-20°C ~ 60°C (extend temperature optional)
<b>Mechanical</b>	Dimensions	(W*D*H): 300x210x46mm With bracket: 356x211.5x46mm
	Weight	N.W. 3.2KG
	Color	Black
	Material	High Strength Aluminum Alloy Front Panel
	Certification	CE / UL / RoHS
<b>Custom Service</b>	Custom Service	Custom BIOS, System Encryption, Custom LOGO





Packing List	Ordering Information
1x CTN-309A	CTN-309A-1: i3-10110U Version
1x Driver CD	CTN-309A-2: i5-10210U Version
1x Power Adapter (12V 5A)	CTN-309A-3: i7-10510U Version
Optional accessories	Operating Systems
VESA Brackets	WIN7 32bit 64bit ENG/CN
Power Cable 3-pin	WIN10 32bit 64bit ENG/CN
	WIN11 32bit 64bit ENG/CN
	Linux Ubuntu 12.04/16.04/18.04