

# ABOX-3010

## Industrial Box PC for robot application

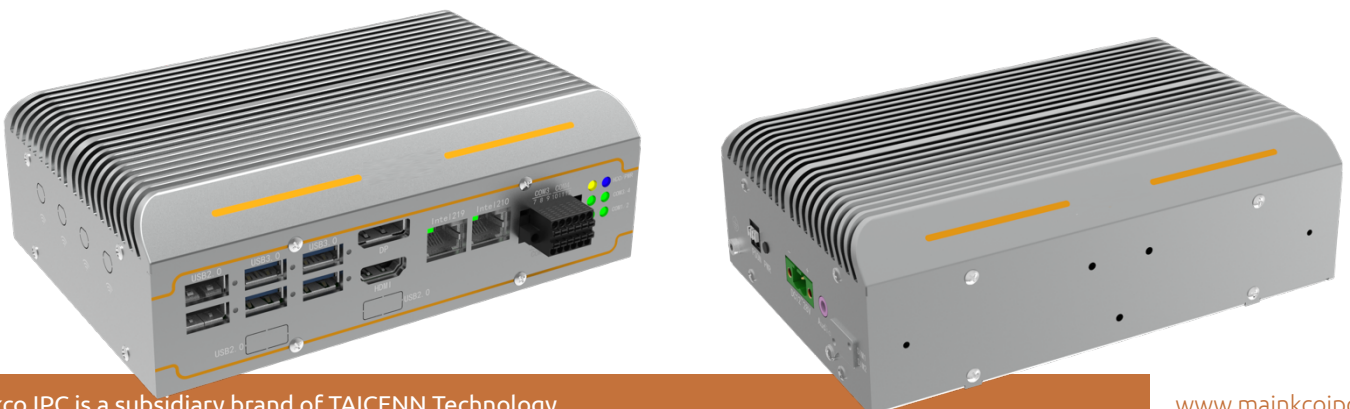
### Specification

V2.0

#### Key features:

- Rugged & Compact, fanless design box structure;
- On-board Intel 6<sup>th</sup> /7<sup>th</sup>/8<sup>th</sup> Celeron, Core i3/i5/i7 -U series processors;
- Single DDR4 memory, up to 16GB, 1\* M.2 2242/2280 SSD storage;
- 2\* GLAN, optional 4G, WIFI/BT expansion, support dual 4G communication;
- 1 \* HDMI and 1\* DP++ (Ultra HD 4K) display ports;
- 2\* USB2.0, 4\* USB3.0, 4\*COM, 1\*HDMI, 1\*DP++;
- DC 12V power input, industrial operating temp. -20 ~ +60 °C.

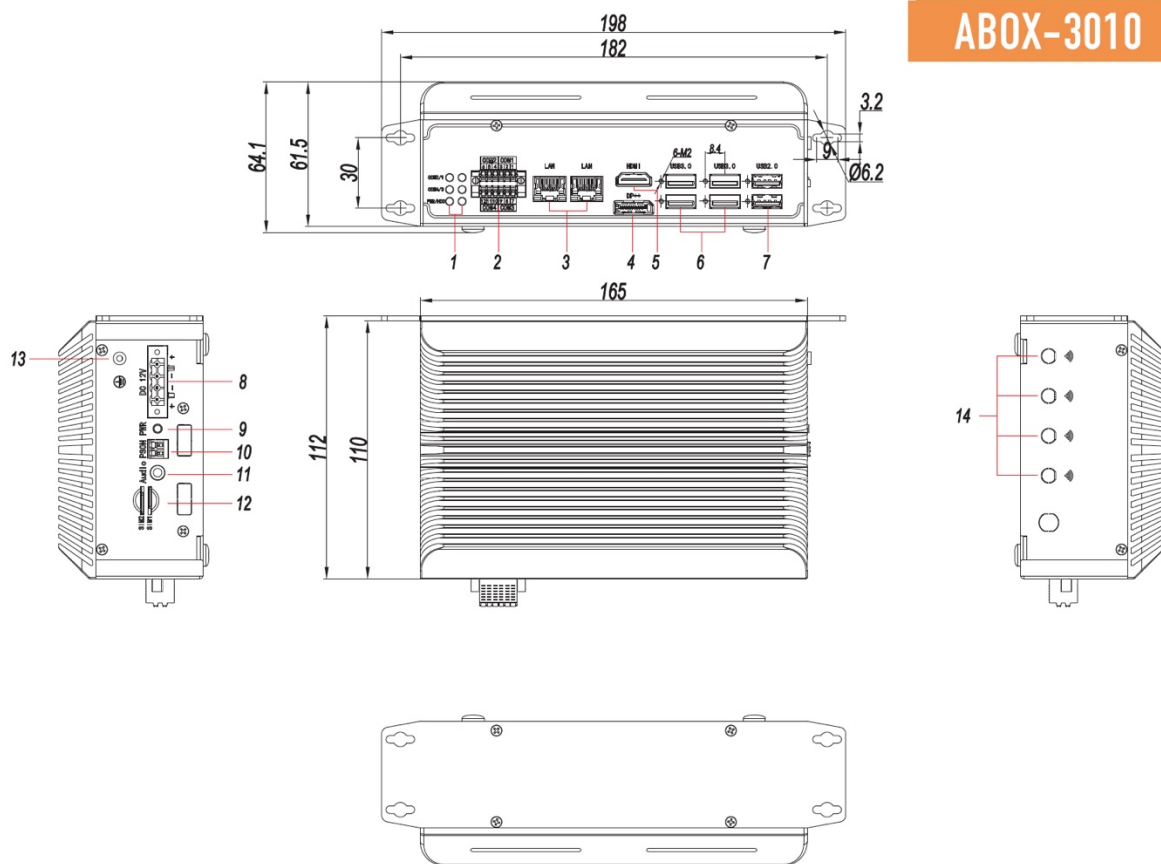
#### Product Image



## Technical Data

System	
Processor	Intel® 6 <sup>t</sup> /7 <sup>th</sup> /8 <sup>th</sup> Celeron, Core™ /i3/i5 CPU, TDP=15W (fan-less) 14nm SoC AMI EFI BIOS, support ACPI, CPU temperature, system voltage monitoring
Memory	1* DDR4 SO-DIMM Max. single RAM up to 16G
Storage	1* M.2 2242/2280, support NVMe/SATA 3.0 storage
Display	CPU integrated Intel® HD Graphics 1* HDMI (Max. 3840*2304, @30Hz), 1x DP++ (Max. 4096x2304, @60Hz)
Network	2* Intel® Ethernet Connection 1* Mini-PCIE (Half/ full, optional 3G/4G, Wi-Fi), 1* M.2-3050 (optional 4G/5G), 2* nano-Sim slot
I/O	4* USB3.0, 2*USB2.0 4* R232 (1* 2x6 pins terminal, optional support RS485)
Power	DC 1* 4 pin Power phenix terminal, P=5.08, lockable DC 12V
LED/Switch	1* Power LED (Blue) 1* Storage LED (Yellow) 4* COM LED (Green) 1* Power button 1* External switch
Watchdog	Programmable 255 ms
OS	Windows 7/8.1/10, Linux
Structure	
Treatment	Hard anodic oxidation treatment + paint spray
Color	Iron grey
Cooling	Fan-less design
Weight	Around 1.2 kg (Net weight)
Dimension	165mm(L) x 110mm(W) x 61.5mm(H)
Mounting	Desktop, wall mount, optional Din-Rail (Din 35)
Environmental	
Operation temp.	Operating temp.: -20~60°C (Industrial SSD)
Storage temp.	-40~80°C
Humidity	10%~90%@40°C (non-condensation)
Vibration	SSD : 3Grms@5~500Hz , random , 1 hr/axis ;
Shock	10G/peak (11ms sec)

## Dimension & Interface



Interface specification

1:LED	2:COM1~4	3:LAN	4:DP	5:HDMI	6:USB3.0	7:USB2.0	8:DC IN
9:Power	10:PSON	11:Audio	12:2xSIM	13:GND	14:Antenna		

## Ordering Information

Part no.	Description
ABOX-3010-xxxx	Intel xxxx processors, 2*GLAN, 4*USB3.0, 2*USB2.0, 4*COM, 1*HDMI, 1*DP, DC 12V, PSU

xxxx: Intel CPU processors code



The information in this specification is subject to change without notice.

All parts of Mainkco IPC documentation are protected by copyright law and all rights are reserved. This documentation may not, in whole or in part, be copied, photocopied, reproduced, translated, or reduced to any electronic medium or machine-readable form without prior consent, in writing, from TAICENN Technology.