

# ABOX-5200

Intel 8th Gen Core i7/i5/i3 CPU w/ 10 x GbE (Optional for 8 x PoE)/ 3 x COM/ 3 x DP/  
4 x USB 3.0/ 9-48V/ AI GPU Computing



## Features

- Intel 8th Gen Core i7/i5/i3
- 10 x GbE LAN (Optional for 8 x PoE)
- 8 x GPI, 4 x GPO and 3 x RS-232/422/485
- 3 x Display Ports
- Dual Hot Swappable SATA Storage RAID 0,1,5
- 9-48V DC Input and Operating Temp.: -40~70°C
- TPM 2.0

Taiwan Patent No. M447854

## System

<b>CPU</b>	Intel Gen8 Core i7-8700T (12M Cache 2.4GHz up to 4.0GHz) Intel Gen8 Core i5-8500T (9M Cache 2.1GHz up to 3.5GHz) Intel Gen8 Core i3-8100T (6M Cache 3.1GHz) Intel Gen8 Celeron G4900T (2M Cache 2.9GHz)
<b>Memory</b>	2 x DDR4 2400 MHz SO-DIMM up to 32GB
<b>LAN Chipset</b>	9 x Intel i210-AT and 1 x i219 (support iAMT) Gb/s Ethernet Controllers Onboard Support PXE and WOL
<b>Watchdog</b>	1 ~ 255 Level Reset
<b>TPM</b>	2.0

## I/O

<b>Serial Port</b>	3 x RS 232/422/485 (Auto Direction Control)
<b>USB Port</b>	4 x USB 3.0 Ports
<b>LAN</b>	10 x RJ45 Ports for GbE (Optional for 8 x POE total Max.100w)
<b>Video Port</b>	3 x DP Ports
<b>DIO Port</b>	8 x GPI and 4 x GPO
<b>Audio</b>	1 x Line-out, 1 x Line-in and 1 x Mic-in
<b>Expansion Bus</b>	3 x Full Mini-PCIe Slots and 1x M.2 A-E Key 2230 slot (2 x SIM Card Sockets for 3G/LTE)

## Graphics

<b>Graphics</b>	Intel® UHD Graphics 630
<b>Resolution</b>	Max Resolution (DP) : 4096x2304@60Hz

## Power Requirement

<b>Power Input</b>	9V - 48V DC Power Input
<b>Power Protection</b>	Automatics Recovery Short Circuit Protection
<b>Power Management</b>	Vehicle Power Ignition for Variety Vehicle
<b>Power Off Control</b>	Power off Delay Time Setting by BIOS and Software
<b>Battery (UPS)</b>	Internal Battery Kit for 10 Mins Operating (Coming soon)

Patent No. : M447854 - Build-in Battery

## Storage

<b>Type</b>	2 x 2.5" Drive Bay for SATA Type HDD/SSD RAID 0, 1, 5 1 x mSATA
-------------	--

## Environmental

<b>Operating Temp.</b>	-40°C ~ 70°C
<b>Storage Temp.</b>	-40°C ~ 80°C
<b>Relative Humidity</b>	0% RH – 95% RH
<b>Vibration(random)</b>	IEC60068-2-64, random, 2.5G@5~500Hz, 1hr/axis with SSD
<b>Vibration Operating</b>	MIL-STD-810G, Method 514.6, Procedure I, Category 4
<b>Shock</b>	Operating: MIL-STD-810G, Method 516.6, Procedure I, Trucks and semi-trailers=15G (11ms) with SSD
<b>Certifications</b>	CE, FCC Class A, E13

## Mechanical

<b>Construction</b>	Aluminum Alloy
<b>Mounting</b>	Wall-mount
<b>Weight</b>	4760g (Barebone)
<b>Dimensions</b>	260(L) x 250(W) x 89(H) mm

## Ordering Information

<b>Part Number</b>	ABOX-5200P-i7 Optional for i5/i3/C1 (with PoE) ABOX-5200-i7 Optional for i5/i3/C1
<b>Description</b>	Intel 8th Gen Core i7/i5/i3 CPU w/ 10 x GbE/ 3 x COM/ 3 x DP/ 4 x USB 3.0/ 9-48V/ AI GPU Computing