

# ABOX-5200G4

Intel Gen 8th 6 Cores i7 CPU w/ 10 x GbE  
(Optional 8 x PoE)/ 3 x COM/ 3 x DP/ 4 x HDMI/  
4 x USB 3.0/ NVIDIA® GeForce GTX 1060 1280  
CUDA cores GPU/ 9-48V/ AI GPU Computing



## Features

- Intel GEN 8th 6 Cores i7-8700T
- NVIDIA® GeForce GTX 1060 GPU
- Support 1280 CUDA Cores
- 8 x GPI and 4 x GPO and 3 x RS-232/422/485
- Dual Hot Swappable SATA Storage RAID 0,1,5
- 9-48V DC Input and Operating Temp.: -40~60°C
- 10 x GbE LAN (Optional for 8 x PoE)



Taiwan Patent No. M447854

Taiwan Patent No. M448011



Delay Time



Power Ignition



Wide Range



Wireless



Battery Backup

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 2133 MHz SO-DIMM up to 32GB
<b>LAN Chipset</b>	9 x Intel i210-AT and 1 x i219LM (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, 3 x HDMI 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 2230/3030 slot (2 x SIM Card Sockets for 3G/LTE)
Environmental	
<b>Operating Temp.</b>	-40°C ~ 60°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

Graphics	
<b>Graphics</b>	NVIDIA® GeForce GTX 1060 GPU (1280 CUDA Cores) Support for OpenGL 4.5 and OpenCL™ 1.2 Support for DirectX® 12 (Feature Level 12_0) features, VR Ready
<b>Resolution</b>	Max Resolution (HDMI 2.0b) :4096x1260@60Hz
Storage	
<b>Type</b>	2 x 2.5" Drive Bay for SATA Type HDD/SSD RAID 0, 1, 5 1 x mSATA
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 (Optional) <a href="#">Patent No. : M447854 - Build-in Battery</a>
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 95(H) mm
Ordering Information	
<b>Part Number</b>	ABOX-5200PG4-i7 Optional for i5/i3/C1 (with PoE) ABOX-5200G4-i7 Optional for i5/i3/C1
<b>Description</b>	Intel Gen 8th 6 Cores i7 CPU w/ 10 x GbE (Optional 8 x PoE)/ NVIDIA® GeForce 1060 1280 CUDA cores GPU/ 3 x COM/ 3 x DP/ 4 x HDMI/ 4 x USB 3.0/ 9-48V/ AI GPU Computing
<b>State of Origin</b>	Made in Taiwan