

# ABOX-5000G2

Intel 6th/7th-Gen Quad Core Xeon/ Core i7/i5/i3 CPU with 6 GbE/ 3 COM/ 5 HDMI/ 4 USB 3.0/ NVIDIA® GeForce GT 1030 GPU/ 9-48V/ AI GPU Computing

## Features

- Intel 6th/7th-Gen Quad Core Xeon/ Core i7 CPU
- NVIDIA® GeForce GT 1030 GPU
- Support 384 CUDA Cores
- 8 x GPI, 4 x GPO and 3 x RS-232/422/485
- Dual Hot Swappable SATA Storage, RAID 0,1,5
- 9-48VDC Input and Operating Temp.: -40 ~ 70°C
- 6 x GbE LAN (Optional for 4 x PoE)



Taiwan Patent No. M447854

Taiwan Patent No. M448011  
for thermal cooling



Delay Time



Power Ignition



Wide Range



Wireless



Battery Backup

System	
CPU	Intel Xeon E3-1268L v5 (8M, cache 2.4~3.4GHz)*
	Intel Gen6 Core i7-6700TE (8M Cache 2.4GHz up to 3.4GHz)
	Intel Gen6 Core i5-6500TE (6M Cache 2.3GHz up to 3.3GHz)
	Intel Gen6 Core i3-6100TE (4M Cache 2.7GHz)
* Use only with Intel C236	
Memory	2 x DDR4 2133 MHz SO-DIMM up to 32GB
Chipset	Intel Q170/C236 Platform Controller Hub
LAN Chipset	5 x Intel i210-AT and 1 x i219LM (Support iAMT) Gb/s Ethernet Controllers Onboard Support PXE and WOL
Watchdog	1 ~ 255 Level Reset
TPM	2.0
I/O	
Serial Port	3 x RS-232/422/485 (Auto Direction Control)
USB Port	4 x USB 3.0 Ports
LAN	6 x RJ45 Ports for GbE (Optional for 4 x PoE total Max. 100w)
Video Port	5 x HDMI Ports
DIO Port	8 x GPI and 4 x GPO
Audio	1 x Line-out, 1 x Line-in and 1 x Mic-in
Expansion Bus	3 x Full Mini-PCIe Slots and 1 x M.2 A-E Key 2230 Slot (2 x SIM Card Sockets for 3G/LTE)
Power Requirement	
Power Input	9V ~48V DC Power Input
Power Protection	Automatics Recovery Short Circuit Protection
Power Management	Vehicle Power Ignition for Variety Vehicle
Power Off Control	Power off Delay Time Setting by Software and BIOS
Backup Battery	Internal Battery Kit for 10 Mins Operating (Optional) Order No.: ABOX-5000G2-BAT, size: 260 x 226 x 95mm <a href="#">Patent No. : M447854 - Build-in Battery</a>
Storage	
Type	2 x 2.5" Drive Bay for SATA Type HDD/SSD RAID 0, 1, 5 1 x mSATA

Software	
Operating System	Win 10, Ubuntu 16.04 64bit
Graphics	
Graphics	NVIDIA® GeForce GT 1030 GPU (384 CUDA Cores) Support for OpenGL 4.5 and OpenCL™ 1.2 Support for DirectX® 12 (Feature Level 12_0) features
Resolution	Max Resolution (HDMI 2.0b) :4096x2160@60Hz
Environmental	
Operating Temp.	-40°C ~ 70°C, ambient w/ 0.6m/s airflow
Storage Temp.	-40°C ~ 80°C
Relative Humidity	10% RH – 90% RH (non-condensing)
Vibration (random)	IEC60068-2-64, random, 2.5G@5~500Hz, 1hr/axis with SSD
Vibration Operating	MIL-STD-810G, Method 514.6, Procedure I, Category 4
Shock	Operating: MIL-STD-810G, Method 516.6, Procedure I, Trucks and semi-trailers=15G (11ms) with SSD
Certifications	CE, FCC Class A, E13
Mechanical	
Construction	Aluminum Alloy
Mounting	Wall-mount
Weight	3860g (Barebone)
Dimensions	260(L) x 226(W) x 89(H) mm
Ordering Information	
Part Number	ABOX-5000G2-i7 Optional for i5/i3/C1 (with PoE) ABOX-5000G2-i7 Optional for i5/i3/C1
Description	Intel 6th/7th-Gen Quad Core Xeon/ i7/i5/i3 CPU w/ 2 GbE/ 4 PoE / 4 COM/ 5 HDMI/ 4 USB 3.0/ NVIDIA® GeForce GT 1030 GPU/ 9-48V/ AI GPU Computing
State of Origin	Made in Taiwan

