

ABOX-5200G1

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 1050TI 1280
CUDA cores GPU/ 9-48V/ AI GPU Computing

Features

- Intel GEN 8th 6 Cores i7-8700T
- NVIDIA® GeForce GTX 1050TI 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.: -40~70°C
- 10 x GbE LAN (Optional for 8 x PoE)



Taiwan Patent No. M447854

Taiwan Patent No. M565941



Delay Time



Power Ignition



Wide Range



Wireless



Battery Backup



System

CPU	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)
Memory	2 x DDR4 2133 MHz SO-DIMM up to 32GB
LAN Chipset	9 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	10 x RJ45 Ports for GbE (Optional for 8 x POE total Max.100w)
Video Port	3 x DP, 4 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 1x M.2 A-E Key 2230/3030 slot (2 x SIM Card Sockets for 3G/LTE)

Environmental

Operating Temp.	-40°C ~ 70°C
Storage Temp.	-40°C ~ 80°C
Relative Humidity	0% RH – 95% RH
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

Graphics

Graphics	NVIDIA® GeForce GTX 1050TI GPU (1280 CUDA Cores) Support for OpenGL 4.5 and OpenCL™ 1.2 Support for DirectX® 12 (Feature Level 12_0) features, VR Ready
Resolution	Max Resolution (HDMI 2.0b) :4096x1260@60Hz

Storage

Type	2 x 2.5" Drive Bay for SATA Type HDD/SSD RAID 0, 1, 5 1 x mSATA
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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 BIOS and Software
Battery(UPS)	Internal Battery Kit for 10 Mins Operating (Optional) Patent No. : M447854 - Build-in Battery

Mechanical

Construction	Aluminum Alloy
Mounting	Wall-mount
Weight	4760g (Barebone)
Dimensions	260(L) x 250(W) x 95(H) mm

Ordering Information

Part Number	ABOX-5200PG1-i7 Optional for i5/i3/C1 (with PoE) ABOX-5200G1-i7 Optional for i5/i3/C1
Description	Intel Gen 8th 6 Cores i7 CPU w/ 10 x GbE (Optional 8 x PoE)/ NVIDIA® GeForce 1050TI 1280 CUDA cores GPU/ 3 x COM/ 3 x DP/ 4 x HDMI/ 4 x USB 3.0/ 9-48V/ AI GPU Computing
State of Origin	Made in Taiwan