

ABOX-5000G

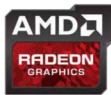
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Embedded Computing

Intel 6th/7th-Gen Quad Core i7/i5/i3 CPU with 6 GbE/ 3 COM/ 7 HDMI/
4 USB 3.0/ AMD Radeon™ E9260 GPU/ 9-48V/ In-Vehicle Fanless Computer



Delay Time



Power Ignition



Wide Range



Wireless



Battery Backup

Features

- Intel 6th/7th-Gen Quad Core i7 CPU
- AMD Embedded Radeon™ E9260 GPU
- 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

System

CPU	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) Intel Pentium Processor G4400TE (3M Cache, 2.40 GHz)
Memory	2 x DDR4 2133 MHz SO-DIMM up to 32GB
Chipset	Intel Q170 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

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 15.4W per port)
Video Port	7 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)

Graphics

Graphics	AMD Radeon™ E9260 GPU Support for OpenGL 4.5. and OpenCL™ 2.0. Support for Mantle and AMD LiquidVR™ Support for DirectX® 12 (Feature Level 12_0) features
Resolution	Max Resolution (HDMI 2.0b) : 5120x2880@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 Software and BIOS
Battery (UPS)	Internal Battery Kit for 10 Mins Operating (Optional) Patent No. : M447854 - Build-in Battery

Environmental

Operating Temp.	-40°C ~ 70°C
Storage Temp.	-40°C ~ 80°C
Relative Humidity	0% RH – 95% RH
Certifications	CE, FCC Class A, E13
Patent No. (Taiwan)	M447854, M448011

Mechanical

Construction	Aluminum
Mounting	Wall-mount
Weight	3860g (Barebone)
Dimensions	260(L) x 226(W) x 89(H) mm

Ordering Information

Part Number	ABOX-5000G-i7S Optional for i5S/i3S/C1S
Description	Intel 6th/7th-Gen Quad Core i7/i5/i3 CPU with 6 GbE/ 3 COM/ 7 HDMI/ 4 USB 3.0/ AMD Radeon™ E9260 GPU/ 9-48V/ In-Vehicle Fanless Computer