

ABOX-5000-V8

Intel 6th-Gen Skylake Core i7/i5/i3 CPU w/ 4 GbE/ 4 ISO COM/ 2 DP/ VGA/ 4 USB3.0/ Fast Expansibile Slot/ 8 x D1 Video Input/ 9-36V Fanless computer



Taiwan Patent No. M447854
Taiwan Patent No. M448011

System

CPU	Intel Gen6 Core i7-6700TE (Optional for i7/i5/i3/Celeron)
Memory	2 x DDR4 2133 MHz SO-DIMM up to 32GB
Chipset	Intel® Q170 Platform Controller Hub
LAN Chipset	3 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	4 x RS 232/422/485 w/1.5KVrms isolation (Auto Direction Control)
USB Port	4 x USB 3.0 Ports
LAN	4 x RJ45 Ports for GbE (Optional for 4-8 x POE 15.4W per port)
Video Port	2 x Display Port and 1 x VGA Port (Triple Independent Display)
DIO Port	8 x GPI and 4 x GPO connector w/1.5KVrms isolation
Audio	1 x Line-out and 1 x Mic-in (Line-in Optional)
Expansion Bus	2 Full and 1 Half Mini-PCIe Slot (2 x SIM Card Socket for 3G/LTE)
FES Expansion	Support PCI-E, USB, SMBus, GPIO and SATA

DVR Specification

Video Input	8 CH (8 x BNC Connectors)	
Video Recording	Total 240FPS (NTSC), 200FPS (PAL) @ D1 Real-Time	
Video Display	Total 240FPS (NTSC), 200FPS (PAL) @ D1	
Resolution	NTSC	PAL
(S/W MPGE4 or H.264)	720x480@30FPS	720x576@25FPS
	704x480@30FPS	704x576@25FPS
	640x480@30FPS	640x576@25FPS
	720x240@30FPS	720x288@25FPS
	704x240@30FPS	704x288@25FPS
	640x240@30FPS	640x288@25FPS
	360x240@30FPS	360x288@25FPS
	352x240@30FPS	352x288@25FPS
	320x240@30FPS	320x288@25FPS
Audio Input	8CH	
Audio Format	MONO / 8 ~ 16BITS / 8000 ~ 48000HZ	

Features

- Intel® 6th-Gen Core™ i7/i5/i3 LGA1151 CPU
- 4 x RS 232/422/RS485 with 1.5KVrms isolated
- 8 x GPI and 4 x GPO with 1.5KVrms isolated
- 8 x D1 Video Input Camera
- Dual Hot Swappable SATA Storage
- 9-36VDC input and operating Temp.: -40 ~ 70°C
- Fast Expansibile Slot support PCI-E, USB, SMBus, GPIO and SATA

Power Requirement

Power Input	9V - 36V 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

Storage

Type	2 x 2.5" Drive Bay for SATA Type HDD/SSD, Support RAID 0, 1 1 x SATA DOM
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Environmental

Operating Temp.	-40°C ~ 70°C (Default CPU 35Watt)
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

Mechanical

Construction	Aluminum Alloy
Mounting	Wall-mount, VESA-mount, Din Rail Mounting Kit
Weight	3860g (Barebone)
Dimensions	240(L) x 226(W) x 79(H) mm

Ordering Information

Part Number	ABOX-5000-V8 Optional for i5S/i3S/C1S
Description	Intel 6th-Gen Skylake Core i7/i5/i3 CPU w/ 4 GbE/ 4 ISO COM/ 2 DP/ VGA/ 4 USB 3.0/ Fast Expansibile Slot/ 8 x D1 Video Input 9-36V Fanless Computer