

# 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

<b>CPU</b>	Intel Gen6 Core i7-6700TE (Optional for i7/i5/i3/Celeron)
<b>Memory</b>	2 x DDR4 2133 MHz SO-DIMM up to 32GB
<b>Chipset</b>	Intel® Q170 Platform Controller Hub
<b>LAN Chipset</b>	3 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

## I/O

<b>Serial Port</b>	4 x RS 232/422/485 w/1.5KVrms isolation (Auto Direction Control)
<b>USB Port</b>	4 x USB 3.0 Ports
<b>LAN</b>	4 x RJ45 Ports for GbE (Optional for 4-8 x POE 15.4W per port)
<b>Video Port</b>	2 x Display Port and 1 x VGA Port (Triple Independent Display)
<b>DIO Port</b>	8 x GPI and 4 x GPO connector w/1.5KVrms isolation
<b>Audio</b>	1 x Line-out and 1 x Mic-in (Line-in Optional)
<b>Expansion Bus</b>	2 Full and 1 Half Mini-PCIe Slot (2 x SIM Card Socket for 3G/LTE)
<b>FES Expansion</b>	Support PCI-E, USB, SMBus, GPIO and SATA

## DVR Specification

<b>Video Input</b>	8 CH (8 x BNC Connectors)	
<b>Video Recording</b>	Total 240FPS (NTSC), 200FPS (PAL) @ D1 Real-Time	
<b>Video Display</b>	Total 240FPS (NTSC), 200FPS (PAL) @ D1	
<b>Resolution</b>	NTSC	PAL
<b>(S/W MPGE4 or H.264)</b>	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
	<b>Audio Input</b>	8CH
<b>Audio Format</b>	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

<b>Power Input</b>	9V - 36V 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) <b>Patent No. : M447854 - Build-in Battery</b>

## Storage

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

<b>Operating Temp.</b>	-40°C ~ 70°C (Default CPU 35Watt)
<b>Storage Temp.</b>	-40°C ~ 80°C
<b>Relative Humidity</b>	0% RH – 95% RH
<b>Certifications</b>	CE, FCC Class A

## Mechanical

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

## Ordering Information

<b>Part Number</b>	ABOX-5000-V8 Optional for i5S/i3S/C1S
<b>Description</b>	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