ABOX-5000P

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Intel 6th-Gen Skylake Core i7/i5/i3 CPU w/ 4 PoE/ 4 ISO COM/ 2 DP/ VGA/ 4 USB 3.0/ Fast Expansible Slot/ 9-36V Fanless Computer

Delay Time

Power Ignition

Wide Range

Wireless

Battery Backup

Taiwan Patent No. M447854
Taiwan Patent No. M448011

Features

- Intel® 6th-Gen Quad Core i7 LGA1151 CPU
- 4 x RS-232/422/485 with 1.5KVrms isolated
- 8 x GPI and 4 x GPO with 1.5KVrms isolated
- 4 x PoE
- Dual Hot Swappable SATA Storage
- 9-36VDC input and operating Temp.: -40 ~ 70°C
- Fast Expansible Slot support PCI-E, USB,SMBus, GPIO and SATA

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	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 POE (15.4W per port)
Video Port	2 x Display Port and1 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	3 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 (Customized for Customer without NRE charge)

Graphics

Graphics	Intel® HD Graphics 530 DirectX Video Acceleration (DXVA) for Accelerating Video Processing - Full AVC/VC1/MPEG2 HW Decode Supports DirectX 11/10.1/10/9 and OpenGL 4.0
Resolution	Max Resolution (HDMI1.4) : 4096x2304@24Hz Max Resolution (DP) : 4096x2304@60Hz

Storage

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

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**

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
Weight	3860g (Barebone)
Dimensions	240(L) x 226(W) x 79(H) mm

Ordering Information

Part Number	ABOX-5000P-i7 Optional for i5/i3/C1
Description	Intel 6th-Gen Skylake Core i7/i5/i3 CPU w/ 4 PoE/ 4 ISO COM/ 2 DP/ VGA/ 4 USB 3.0/ Fast Expansible Slot/ 9-36V Fanless Computer

All specifications are subject to change without notice.