

# ABOX-5000

Intel 6th/7th-Gen Quad Core Xeon/ Core i7/i5/i3  
CPU w/ 4 x GbE/ 4 x ISO COM/ 2 x DP/ VGA/  
4 USB 3.0 Fast Expansable Slot 9-36V Fanless  
Computer

## Features

- Intel® 6th/7th-Gen Quad Core Xeon/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 GbE LAN (optional for 4 x PoE)
- Dual Hot Swappable SATA Storage
- 9-36V DC input and operating Temp.: -40 ~ 70°C
- Fast Expansable Slot support PCI-E, USB, SMBus, GPIO and SATA



Taiwan Patent No. M447854



Delay Time



Power Ignition



Wide Range



Wireless



Battery Backup



System	
CPU	Intel Xeon E3-1268L v5 (8M, cache 2.4~3.4GHz) 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)
Memory	2 x DDR4 2133 MHz SO-DIMM up to 32GB
Chipset	Intel Q170 for Intel 6th-Gen Skylake-S Core-i series Intel C236 for Xeon Quad Core E3-1268L v5 (optional)
LAN Chipset	3 x Intel i210-AT and 1 x i219LM (iAMT9.5 w/ i5, i7 only) Gb/s Ethernet Controllers Onboard Support PXE and WOL
Watchdog	1 ~ 255 Level Reset
TPM	2.0
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 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	3 Full and 1 Half Mini-PCIe Slot (2 x SIM Card Socket for 3G/LTE)
FES Expansion	Support PCI-E Bus, USB Bus, SMBus, GPIO and SATA Bus (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 RAID 0, 1, 5 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) <a href="#">Patent No. : M447854 - Build-in Battery</a>
Environmental	
Operating Temp.	-40°C ~ 70°C (Default CPU 35Watt), ambient w/ 0.6m/s airflow
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
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 (with PoE) ABOX-5000-i7 Optional for i5/i3/C1
Description	Intel 6th/7th-Gen Quad Core Xeon/ Core i7/i5/i3 CPU w/ 4 GbE/ 4 ISO COM/ 2 DP/ VGA/ 4 USB 3.0 Fast Expansable Slot/ 9-36V Fanless Computer
State of Origin	Made in Taiwan