

# ABOX-5000G2

Intel 6th/7th-Gen Quad Core Xeon/ Core i7/i5/i3 CPU w/ 6 x GbE/ 3 x COM/ 5 x HDMI/ 4 USB 3.0/ NVIDIA® GeForce GT 1030 GPU/ 9-48V/ AI GPU Computing



Delay Time



Power Ignition



Wide Range



Wireless



Battery backup

Taiwan Patent No. M447854  
Taiwan Patent No. M448011

## System

|                    |  |
|--------------------|--|
| <b>CPU</b>         | Intel Xeon E3-1268L v5 (8M, cache 2.4~3.4GHz)<br>Intel Gen6 Core i7-6700TE (8M Cache 2.4GHz up to 3.4GHz)<br>Intel Gen6 Core i5-6500TE (6M Cache 2.3GHz up to 3.3GHz)<br>Intel Gen6 Core i3-6100TE (4M Cache 2.7GHz) |
| <b>Memory</b>      | 2 x DDR4 2133 MHz SO-DIMM up to 32GB   |
| <b>Chipset</b>     | Intel Q170/C236 Platform Controller Hub  |
| <b>LAN Chipset</b> | 5 x Intel i210-AT and 1 x i219LM (support iAMT) Gb/s<br>Ethernet Controllers Onboard Support PXE and WOL   |
| <b>Watchdog</b>    | 1 ~ 255 Level Reset  |
| <b>TPM</b>         | 2.0  |

## I/O

|                      |  |
|----------------------|--|
| <b>Serial Port</b>   | 3 x RS 232/422/485 (Auto Direction Control)  |
| <b>USB Port</b>      | 4 x USB 3.0 Ports  |
| <b>LAN</b>           | 2 x RJ45 GbE and 4 RJ45 PoE Max. total 100W  |
| <b>Video Port</b>    | 5 x HDMI Ports   |
| <b>DIO Port</b>      | 8 x GPI and 4 x GPO  |
| <b>Audio</b>         | 1 x Line-out, 1 x Line-in and 1 x Mic-in   |
| <b>Expansion Bus</b> | 3 x Full Mini-PCIe Slots and 1x M.2 A-E Key 2230 slot<br>(2 x SIM Card Sockets for 3G/LTE) |

## Graphics

|                   |   |
|-------------------|---|
| <b>Graphics</b>   | NVIDIA® GeForce GT 1030 GPU (384 CUDA Cores)<br>Support for OpenGL 4.5 and OpenCL™ 1.2<br>Support for DirectX® 12 (Feature Level 12_0) features |
| <b>Resolution</b> | Max Resolution (HDMI 2.0b) :4096x1260@60Hz  |

## Storage

|             |  |
|-------------|--|
| <b>Type</b> | 2 x 2.5" Drive Bay for SATA Type HDD/SSD RAID 0,1,5<br>1 x mSATA |
|-------------|--|

## Features

- Intel 6th/7th-Gen Quad Core Xeon/Core i7 CPU
- NVIDIA® GeForce GTX 1030 GPU
- Support 384 CUDA Cores
- 8 x GPI and 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)

## Power Requirement

|                          |   |
|--------------------------|---|
| <b>Power Input</b>       | 9V - 48V 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)<br><b>Patent No. : M447854 - Build-in Battery</b> |

## Environmental

|                            |   |
|----------------------------|---|
| <b>Operating Temp.</b>     | -40°C ~ 70°C  |
| <b>Storage Temp.</b>       | -40°C ~ 80°C  |
| <b>Relative Humidity</b>   | 0% RH – 95% RH  |
| <b>Vibration(random)</b>   | IEC60068-2-64, random, 2.5G@5~500Hz, 1hr/axis with SSD  |
| <b>Vibration Operating</b> | MIL-STD-810G, Method 514.6, Procedure I, Category 4   |
| <b>Shock</b>               | Operating: MIL-STD-810G, Method 516.6, Procedure I,<br>Trucks and semi-trailers=15G (11ms) with SSD |
| <b>Certifications</b>      | CE, FCC Class A, E13  |

## Mechanical

|                     |                            |
|---------------------|----------------------------|
| <b>Construction</b> | Aluminum Alloy             |
| <b>Mounting</b>     | Wall-mount                 |
| <b>Weight</b>       | 3860g (Barebone)           |
| <b>Dimensions</b>   | 260(L) x 226(W) x 89(H) mm |

## Ordering Information

|                    |  |
|--------------------|--|
| <b>Part Number</b> | ABOX-5000G2-i7 Optional for i5/i3/C1 (with PoE)<br>ABOX-5000G2-i7 Optional for i5/i3/C1  |
| <b>Description</b> | Intel 6th/7th-Gen Quad Core Xeon/ i7/i5/i3 CPU w/ 2 GbE/<br>4 PoE/ 3 COM/ 5 HDMI/ 4 USB 3.0/ AI GPU Computing<br>NVIDIA® GeForce GT 1030 GPU/ 9-48V/ |