

# ACO-6000-4L

Surveillance Applied System with LGA 1151 for Intel® 6<sup>th</sup>/7<sup>th</sup> Gen Processor and Q170 PCH, 6x LAN

## FEATURES

- LGA 1151 socket for 6<sup>th</sup> /7<sup>th</sup> Gen. Intel® Core™ i7/i5/i3 or Pentium® / Celeron® Desktop Processor
- Intel® Q170 Chipset
- 2x 260-pin DDR4 SODIMM. Max up to 32GB
- Triple independent display supported by 1x DVI-I and 2x DisplayPort
- 6x Intel® GbE (w/ 2x supporting Wake-on-LAN and PXE)
- 4x 2.5" SATA HDD bay and 2x mSATA supporting RAID 0, 1, 5, 10
- 3x Full-size mini PCIe for communication or expansion modules, 3x SIM socket
- 5x RS-232/422/485 (w/ 3x internal), 6x USB 3.0, 2x USB 2.0 (internal), TPM 1.2
- 8x DI + 8x DO with Isolation
- 1x Universal Bracket (For mini PCIe application)
- 9 to 48VDC wide range power input supporting AT/ATX mode
- -25°C to 70°C extended operating temperature
- Power ignition management



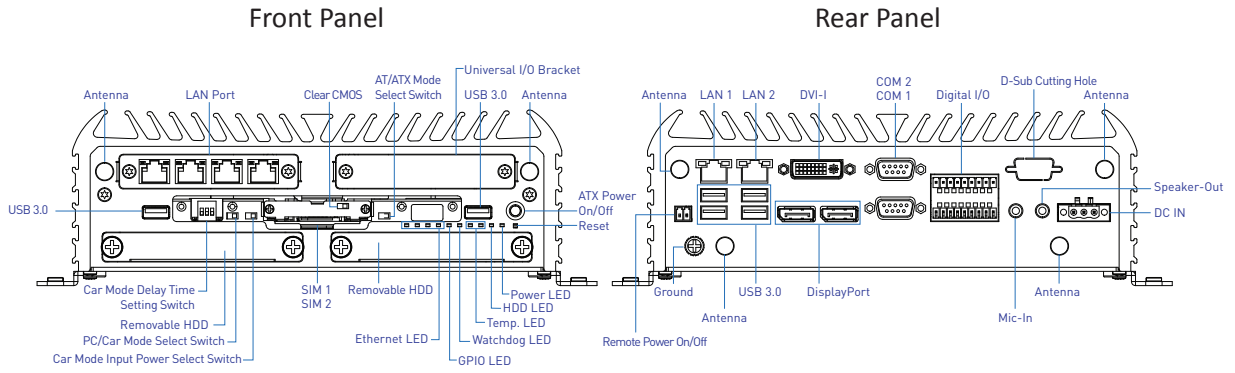
## SPECIFICATIONS

SYSTEM		I/O	
Processor	Support 6 <sup>th</sup> & 7 <sup>th</sup> Gen Intel® Core™ i7 / i5 / i3 / Pentium® / Celeron® Desktop Processor (LGA 1151) - 7 <sup>th</sup> Gen Intel® Core™ i7-7700T, Quad Core, 8MB cache, up to 3.8 GHz - 7 <sup>th</sup> Gen Intel® Core™ i5-7500T, Quad Core, 6MB cache, up to 3.3 GHz - 7 <sup>th</sup> Gen Intel® Core™ i3-7101TE, Dual Core, 3MB Cache, 3.4 GHz - 6 <sup>th</sup> Gen Intel® Core™ i7-6700TE, Quad Core, 8MB Cache, up to 3.4 GHz - 6 <sup>th</sup> Gen Intel® Core™ i5-6500TE, Quad Core, 6MB Cache, up to 3.3 GHz - 6 <sup>th</sup> Gen Intel® Core™ i3-6100TE, Dual Core, 4MB Cache, 2.7 GHz - Intel® Pentium® G4400TE, Dual Core, 3MB Cache, 2.4 GHz - Intel® Celeron® G3900TE, Dual Core, 2MB Cache, 2.3 GHz	COM	2x RS-232/422/485 3x RS-232/422/485 (internal)
System Chipset	Intel® Q170 Express Chipset	USB	6x USB 3.0 2x USB 2.0 (internal)
LAN Chipset	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE2: Intel® I219LM (Support Wake-on-LAN and PXE) GbE3~GbE6: Intel® I350-AM4	LAN	2x GbE RJ45 4x GbE RJ45 (module)
Audio Codec	Realtek ALC888S	Audio	1x Mic-in, 1x Speaker-out
System Memory	2x 260-Pin DDR4 1866/2133MHz SODIMM. Max. up to 32GB	DIO	8 in / 8 out (Isolated)
BIOS	AMI 128Mbit SPI BIOS	Universal I/O Bracket	1x Universal I/O Bracket (For mini PCIe application)
Watchdog	Software Programmable Supports 1~255 sec. System Reset	Others	6x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off
TPM	TPM 1.2		
DISPLAY		POWER	
VGA	Yes (by optional split cable)	Power Mode	AT, ATX
DVI	1x DVI-I	Power Supply Voltage	9~48VDC
DisplayPort	2x DisplayPort	Power Ignition Sensing	Power Ignition Management
Multiple Display	Triple Display	Power Connector	3-pin Terminal Block
STORAGE		Power Adaptor	Optional AC/DC 24V/5A, 120W
SSD/HDD	2x Internal 2.5" SATA HDD Bay 2x Removable 2.5" SATA HDD Bay Support RAID 0, 1, 5, 10	Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection
mSATA	2x mSATA (Shared by 2x Mini PCIe)	ENVIRONMENT	
SIM Socket	2x External SIM socket 1x Internal SIM socket	Operating Temp.	-25°C to 70°C
EXPANSION		Storage Temp.	-30°C to 85°C
Mini PCIe	3x Full-size Mini PCIe	Relative Humidity	10% to 95% (non-condensing)
OPERATING SYSTEM		Vibration	With SSD: 5 Grms, 5 - 500 Hz, 0.5 hr/axis With HDD: 1 Grms, 5 - 500 Hz, 0.5 hr/axis
Windows	6 <sup>th</sup> Gen CPU: Windows 10, Windows 7, WES7 7 <sup>th</sup> Gen CPU: Windows 10	Shock	With SSD: 50G, half sine, 11ms
Linux	Linux kernel 4.X	Standards / Certification	CE, FCC Class A, E-Mark, EMC Conformity with EN50155 & EN50121-3-2
		PHYSICAL	
		Construction	Extruded Aluminum with Heavy Duty Metal
		Dimension	240 (W) x 261 (D) x 79 (H) mm
		Weight	4.09 kg
		Mounting	Wall Mounting

\* For detailed performance specification, please refer to the data sheet or consult with the technical team.

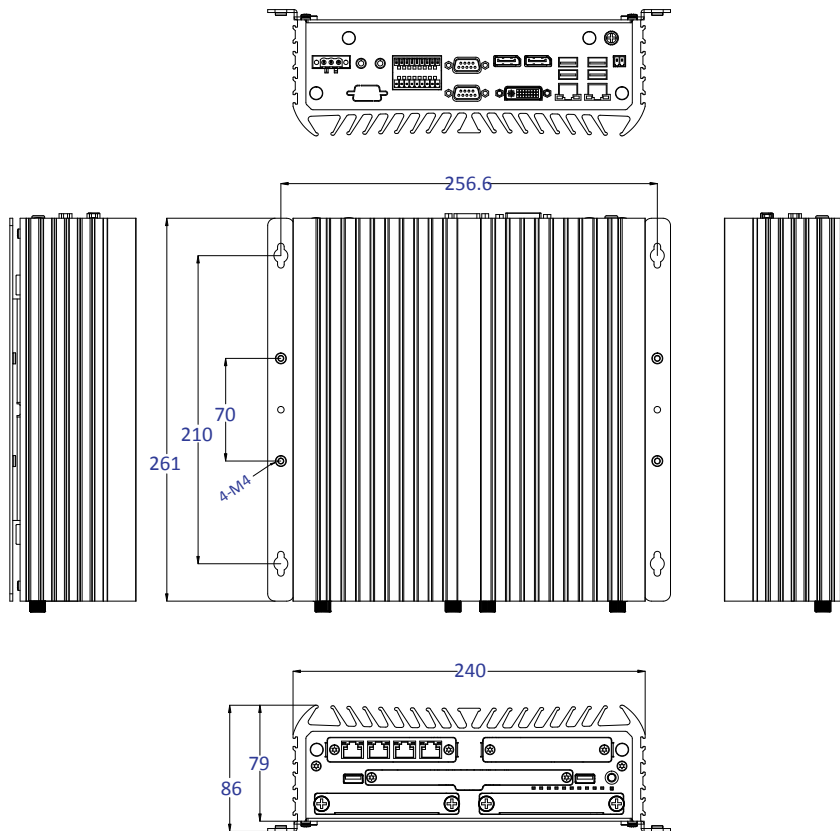
† The environmental specification covers the bare bone systems and does not include other components environmental specification.

**EXTERNAL I/O MECHANICAL LAYOUT**



**DIMENSION**

Unit: mm



**AVAILABLE MODELS**

MODEL NO.	DESCRIPTION
ACO-6000-4L	Surveillance Applied Fanless System with LGA 1151 for Intel® 6 <sup>th</sup> /7 <sup>th</sup> Gen Processor and Q170 PCH, 6x LAN

**OPTIONAL ACCESSORIES**

MODEL NO.	DESCRIPTION
1-E09A12002	Adapter AC/DC 24V 5A 120W with 3pin Terminal Block Plug 5.0mm Pitch
SFICBL022	Power Cord, 3-pin US Type, 180cm
1-TPCD00002	Power Cord, European Type, 180cm
1-TPCD00001	Power Cord, 3-pin UK Type, 180cm

**PACKING LIST**

- 1x ACO-6000 Series Applied Fanless System
- 1x Utility DVD Driver
- 1x Wall Mount Kit
- 1x Accessory Kit
- 1x DVI to VGA Adapter

