

Box PC

FEATURES

- Intel® Core™ Processor i5-5350U, up to 2.9GHz / i3-5010U, 2.1GHz or Celeron® 3765U, 1.9GHz
- 1x 204-pin DDR3L SODIMM. Max up to 8GB
- Triple independent display supported by 1x DVI-I and 1x DisplayPort
- 2x Intel® GbE supporting Wake-on-LAN and PXE
- 2x 2.5" SATA HDD bay and 2x mSATA supporting RAID 0, 1, 5, 10
- 2x Full-size mini PCIe for communication or expansion modules, 2x SIM socket
- 1x Universal Bracket (For mini PCIe application)
- 4x RS-232/422/485, 2x USB 3.0, 2x USB 2.0
- 4x DI + 4x DO with Isolation
- 9 to 48VDC wide range power input supporting AT/ATX mode
- -40°C to 70°C extended operating temperature
- Power Ignition Management



SPECIFICATIONS

SYSTEM

Processor	- 5 th Gen Intel® Core™ i5-5350U Processor, Dual Core, 3MB Cache, up to 2.9 GHz - 5 th Gen Intel® Core™ i3-5010U Processor, Dual Core, 3MB Cache, 2.1 GHz - 5 th Gen Intel® Celeron® Processor 3765U, Dual Core, 2MB Cache, 1.9 GHz
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System Chipset	SoC integrated
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LAN Chipset	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE2: Intel® I218-LM (Support Wake-on-LAN and PXE)
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Audio Codec	Realtek ALC888S
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System Memory	1x 204-Pin DDR3L 1333/1600MHz SODIMM. Max. up to 8GB
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BIOS	AMI 128Mbit SPI BIOS
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Watchdog	Software Programmable Supports 1~255 sec. System Reset
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DISPLAY

VGA	Yes (by optional split cable)
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DVI	1x DVI-I
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DisplayPort	1x DisplayPort
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Multiple Display	Triple Display
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STORAGE

SSD/HDD	1x Internal 2.5" SATA HDD Bay 1x Removable 2.5" SATA HDD Bay Support RAID 0, 1, 5, 10
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mSATA	2x mSATA (shared by 2x Mini PCIe)
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SIM Socket	2x External SIM socket
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EXPANSION

Mini PCI Expansion	2x Full-size Mini PCIe
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I/O

COM	4x RS-232/422/485
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USB	2x USB 3.0, 2x USB 2.0
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LAN	2x RJ45
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Audio	1x Mic-in, 1x Speaker-out
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DIO	4 in / 4 out (Isolated)
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Universal I/O Bracket	1x Universal I/O Bracket (For mini PCIe application)
Others	3x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off

OPERATING SYSTEM

Windows	Windows 10, Windows 8.1, WES8.1, Windows 7, WES7
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Linux	Linux kernel 3.X
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POWER

Power Mode	AT, ATX
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Power Supply Voltage	9~48VDC
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Power Ignition Sensing	Power Ignition Management
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Power Connector	3-pin Terminal Block
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Power Adaptor	Optional AC/DC 12V/5A, 60W
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Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection
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ENVIRONMENT

Operating Temp.	-40°C to 70°C
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Storage Temp.	-40°C to 85°C
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Relative Humidity	10% to 95% (non-condensing)
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Vibration	With SSD: 5 Grms, 5 - 500 Hz, 0.5 hr/axis With HDD: 1 Grms, 5 - 500 Hz, 0.5 hr/axis
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Shock	With SSD: 50G, half sine, 11ms
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Standards / Certification	CE, FCC Class A, E-Mark, EMC Conformity with EN50155 & EN50121-3-2
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PHYSICAL

Construction	Extruded Aluminum with Heavy Duty Metal
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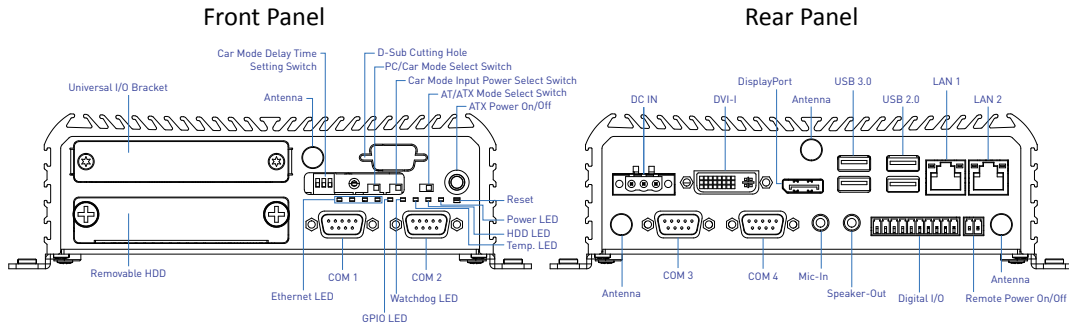
Dimension	185 (W) x 197 (D) x 57.4 (H) mm
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Weight	2.16 kg
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Mounting	Wall Mounting DIN-Rail Mounting (Optional)
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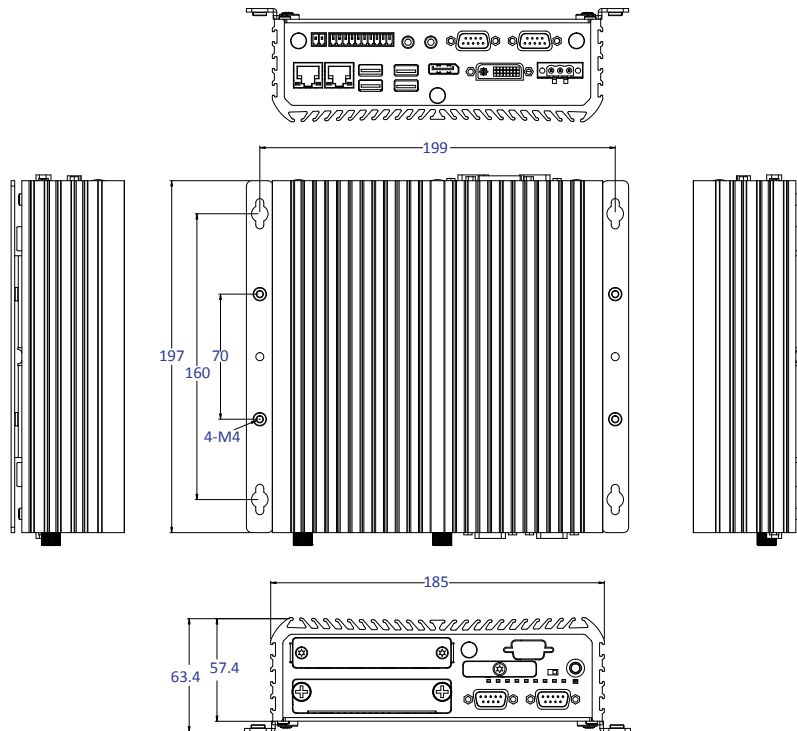
Box PC

EXTERNAL I/O MECHANICAL LAYOUT



DIMENSION

Unit: mm



AVAILABLE MODELS

MODEL NO.	DESCRIPTION
ACO-3000-5350U	Vehicle applied fanless embedded system with Intel® i5-5350U processor, 2x LAN
ACO-3000-5010U	Vehicle applied fanless embedded system with Intel® i3-5010U processor, 2x LAN
ACO-3000-3765U	Vehicle applied fanless embedded system with Intel® Celeron® 3765U processor, 2x LAN

OPTIONAL ACCESSORIES

MODEL NO.	DESCRIPTION
1-E09A06007	Adapter AC/DC 12V 5A 60W with 3-pin 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
3-DINR-0003	DIN-Rail Mount Kit

PACKING LIST

- 1x ACO-3000 Series Applied Fanless System
- 1x Utility DVD Driver
- 1x Wall Mount Kit
- 1x Accessory Kit
- 1x DVI to VGA Adapter