RCO-3022EE-4L

Advanced Fanless System with 5th Gen Intel® Broadwell Core™ i5/i3 or Celeron® Processor, 6x LAN, 2x PCIe x4 Expansion

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
- 6x Intel® GbE (w/ 2x 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
- 2x PCIe x4, 1x Universal Bracket (For mini PCIe application)
- 4x RS-232/422/485, 2x USB 3.0, 6x 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

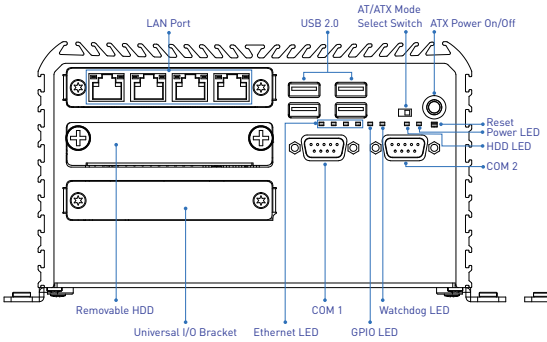
SPECIFICATIONS

SYSTEM	
Processor	- 5th Gen Intel® Core™ i5-5350U Processor, Dual Core, 3MB Cache, up to 2.9 GHz - 5th Gen Intel® Core™ i3-5010U Processor, Dual Core, 3MB Cache, 2.1 GHz - 5th Gen Intel® Celeron® Processor 3765U, Dual Core, 2MB Cache, 1.9 GHz
System Chipset	SoC integrated
LAN Chipset	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE2: Intel® I218-LM (Support Wake-on-LAN and PXE) GbE3~GbE6: Intel® I210-AT
Audio Codec	Realtek ALC888S
System Memory	1x 204-Pin DDR3L 1333/1600MHz SODIMM. Max. up to 8GB
BIOS	AMI 128Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset
DISPLAY	
VGA	Yes (by optional split cable)
DVI	1x DVI-I
DisplayPort	1x DisplayPort
Multiple Display	Triple Display
STORAGE	
SSD/HDD	1x Internal 2.5" SATA HDD Bay 1x Removable 2.5" SATA HDD Bay Support RAID 0, 1, 5, 10
mSATA	2x mSATA (shared by 2x Mini PCIe)
SIM Socket	2x External SIM socket
EXPANSION	
Mini PCI Express	2x Full-size Mini PCIe
PCI Express	2x PCIe x4
I/O	
COM	4x RS-232/422/485
USB	2x USB 3.0, 6x USB 2.0
LAN	2x GbE RJ45 4x GbE RJ45 (module)
Audio	1x Mic-in, 1x Speaker-out
DIO	4 in / 4 out (Isolated)
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
Linux	Linux kernel 3.X
POWER	
Power Mode	AT, ATX
Power Supply Voltage	9~48VDC
Power Connector	3-pin Terminal Block
Power Adaptor	Optional AC/DC 12V/5A, 60W
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection
ENVIRONMENT	
Operating Temp.	-40°C to 70°C
Storage Temp.	-40°C to 85°C
Relative Humidity	10% to 95% (non-condensing)
Vibration	With SSD: 5 Grms, 5 - 500 Hz, 0.5 hr/axis With HDD: 1 Grms, 5 - 500 Hz, 0.5 hr/axis
Shock	With SSD: 50G, half sine, 11ms
Standards / Certification	CE, FCC Class A
PHYSICAL	
Construction	Extruded Aluminum with Heavy Duty Metal
Dimension	185 (W) x 197 (D) x 105 (H) mm
Weight	3.02 kg
Mounting	Wall Mounting

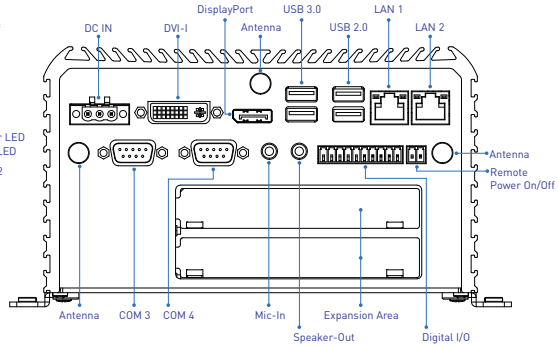
* All specifications and photos are subject to change without notice.

EXTERNAL I/O MECHANICAL LAYOUT

Front Panel

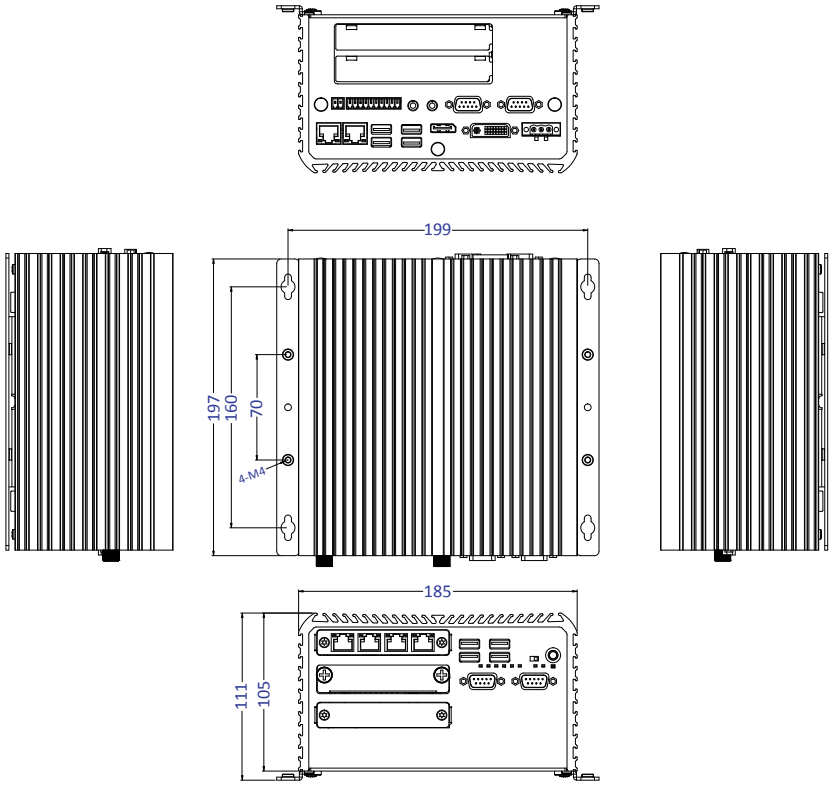


Rear Panel



DIMENSION

Unit: mm



AVAILABLE MODELS

MODEL NO.	DESCRIPTION
RCO-3022EE-4L-5350U	Advanced fanless embedded system with Intel® i5-5350U processor, 6x LAN, 2x PCIe x4 expansion
RCO-3022EE-4L-5010U	Advanced fanless embedded system with Intel® i3-5010U processor, 6x LAN, 2x PCIe x4 expansion
RCO-3022EE-4L-3765U	Advanced fanless embedded system with Intel® Celeron® 3765U processor, 6x LAN, 2x PCIe x4 expansion

PACKING LIST

- 1x RCO-3000 Series Embedded System
- 1x Utility DVD Driver
- 1x Wall Mount Kit
- 1x Accessory Kit
- 1x DVI to VGA Adapter

OPTIONAL ACCESSORIES

MODEL NO.	DESCRIPTION
1-E09A06002	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