

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 | - 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 |
| 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

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|------------------|-------------------------------|
| 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

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|---------|--|
| 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 |

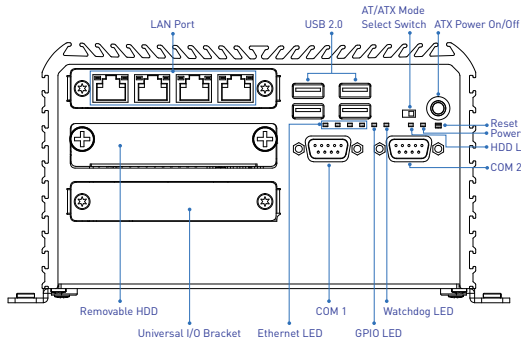
ENVIRONMENT

| | |
|---------------------------|--|
| 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 |

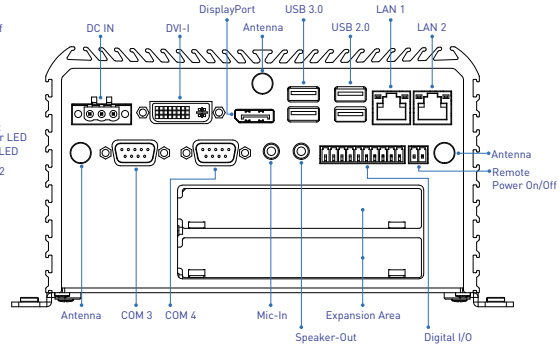
PHYSICAL

| | |
|--------------|---|
| Construction | Extruded Aluminum with Heavy Duty Metal |
| Dimension | 185 (W) x 197 (D) x 105 (H) mm |
| Weight | 3.02 kg |
| Mounting | Wall Mounting |

Front Panel

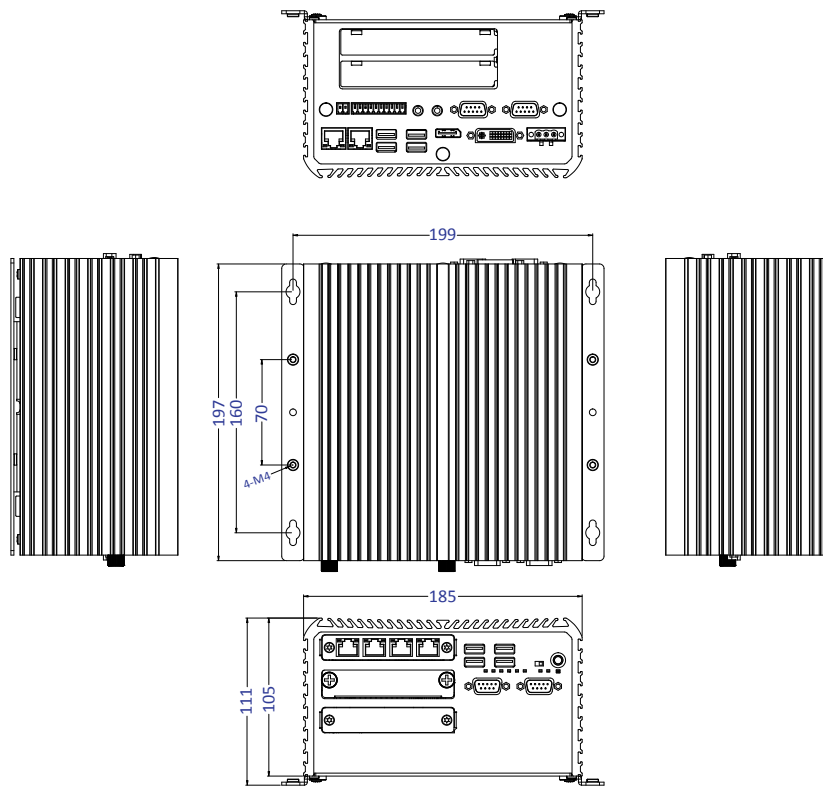


Rear Panel



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-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 |