



FEATURES

- Intel® 7th Gen (KabyLake-U) Processor Core™ i5-7300U, Core™ i3-7100U
- 1x DDR4 SODIMM. max up to 16GB
- Triple independent display supported by 1x VGA and 2x DisplayPort
- 2x Intel® GbE supporting Wake-on-LAN and PXE
- 2x 2.5" SATA HDD Bay (1x internal, 1x removable) with RAID 0, 1, 5 support, 1x mSATA (shared by 1x Mini PCIe), and 1x CFast (shared by 1x mSATA)
- 2x full-size mini PCIe for communication or expansion modules, 2x SIM socket
- 5x RS-232/422/485 (w/ 3x internal), 4x USB 3.0, 2x USB 2.0
- 8x DI + 8x DO with isolation
- 9 to 50VDC wide range power input supporting AT/ATX mode
- -40°C to 70°C extended operating temperature

SPECIFICATIONS

| System | |
|-----------------------|--|
| Processor | 7 th Gen Intel® Core™ i5-7300U Processor, Dual Core, 3MB Cache, up to 3.5 GHz 7 th Gen Intel® Core™ i3-7100U Processor, Dual Core, 3MB Cache, 2.4 GHz |
| System Chipset | SoC integrated |
| LAN Chipset | GbE1: Intel® I219LM (Support Wake-on-LAN and PXE) GbE2: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE3-GbE6: Intel® I210-AT (Optional) |
| Audio Codec | Realtek ALC888S |
| System Memory | 1x 260-Pin DDR4 1866/2133MHz SODIMM. Max. up to 16GB |
| BIOS | AMI 128Mbit SPI BIOS |
| Watchdog | Software Programmable Supports 1-255 sec. System Reset |
| Display | |
| VGA | 1x VGA |
| DisplayPort | 2x 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 |
| mSATA | 1x mSATA (shared by 1x Mini PCI Express) |
| CFast | 1x CFast (shared by 1x mSATA) |
| SIM Socket | 2x External SIM socket |
| Expansion | |
| Mini PCI Express | 2x Full-size Mini PCIe |
| 4-Port GbE (Optional) | Up to one 4-port GbE module with Intel® I210-AT Chipset RJ-45 or M12 connector with PoE option |
| I/O | |
| COM | 2x RS-232/422/485 3x RS-232/422/485 (internal) |
| USB | 4x USB 3.0, 2x USB 2.0 |
| LAN | 2x RJ45 |
| Audio | 1x Mic-in, 1x Line-out |

| | |
|--------|---|
| DIO | 8 in / 8 out (Isolated) |
| Others | 4x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off |

Operating System

| | |
|---------|------------------|
| Windows | Windows 10 |
| Linux | Linux kernel 4.X |

Power

| | |
|------------------------|--|
| Power Mode | AT, ATX |
| Power Supply Voltage | 9-50VDC |
| Power Ignition Sensing | Power Ignition Management |
| 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 |

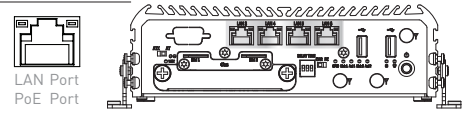
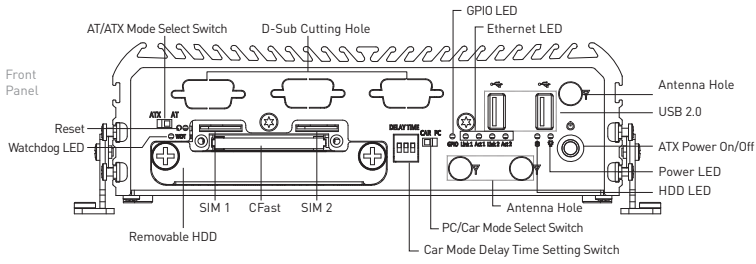
Environment

| | |
|---------------------------|--|
| 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 | 192 (W) x 197 (D) x 57.6 (H) mm |
| Weight | TBD |
| Mounting | Wall Mounting DIN-Rail Mounting(Optional) |

EXTERNAL I/O MECHANICAL LAYOUT

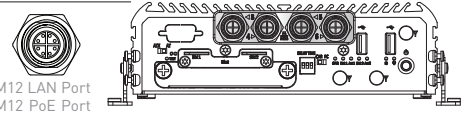
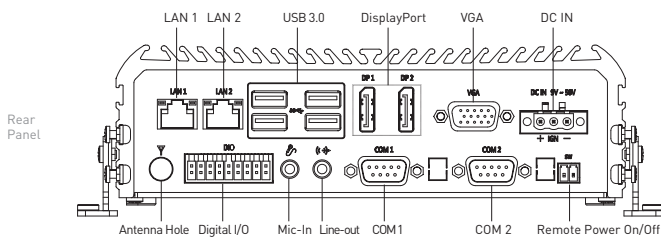


RCO-3400-4L

Additional 4x Intel® GbE
3x RS-232/422/485 (w/ 1x internal)

RCO-3400-4P

Additional 4x Intel® GbE with PoE function
3x RS-232/422/485 (w/ 1x internal)



RCO-3400-4L-M12

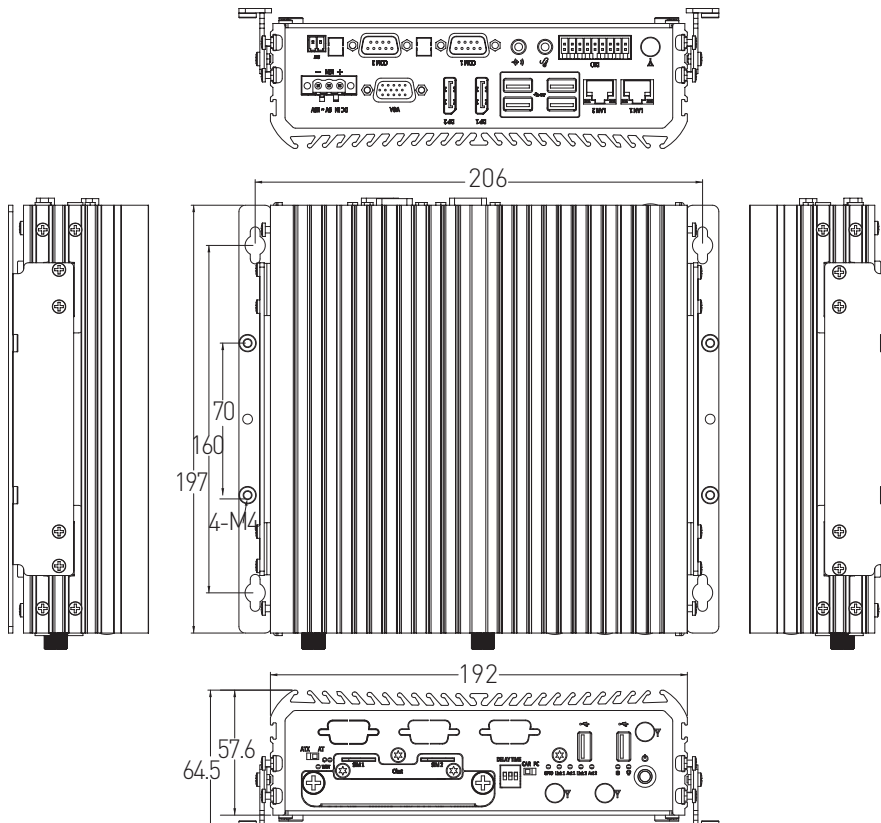
Additional 4x Intel® GbE with M12 connector
3x RS-232/422/485 (w/ 1x internal)
Optional AC/DC 24V/9.2A, 220W

RCO-3400-4P-M12

Additional 4x Intel® GbE with M12 PoE function
3x RS-232/422/485 (w/ 1x internal)
Optional AC/DC 24V/9.2A, 220W

DIMENSION

Unit: mm



ORDERING INFORMATION

| MODEL NO. | DESCRIPTION |
|-------------|---|
| 1-E09A06007 | Adapter AC/DC 12V 5A 60W with 3pin Terminal Block Plug 5.0mm Pitch |
| 1-E09A22102 | Adapter AC/DC 24V 9.2A 220W with 3pin Terminal Block Plug 5.0mm Pitch |
| SFICBL022 | Power Cord, 3-pin US Type, 180cm |
| 1-TPCD00002 | Power Cord, European Type |
| 1-TPCD00001 | Power Cord, 3-pin UK Type, 180cm |
| 3-DINR-0003 | DIN-Rail Mount Kit |

PACKING LIST

- 1x RCO-3400 Series Embedded System
- 1x Utility DVD Driver
- 1x Wall Mount Kit
- 1x Accessory Kit

AVAILABLE MODELS

| MODEL | MODEL NO. | DESCRIPTION |
|----------|-----------------------|--|
| RCO-3400 | RCO-3400-7300U | Advanced Fanless System with Intel® Core™ i5-7300U Processor, 2x LAN |
| | RCO-3400-7100U | Advanced Fanless System with Intel® Core™ i3-7100U Processor, 2x LAN |
| | RCO-3400-4L-7300U | Advanced Fanless System with Intel® Core™ i5-7300U Processor, 6x LAN |
| | RCO-3400-4L-7100U | Advanced Fanless System with Intel® Core™ i3-7100U Processor, 6x LAN |
| | RCO-3400-4L-M12-7300U | Advanced Fanless System with Intel® Core™ i5-7300U Processor, 2x LAN, 4x M12 LAN |
| | RCO-3400-4L-M12-7100U | Advanced Fanless System with Intel® Core™ i3-7100U Processor, 2x LAN, 4x M12 LAN |
| | RCO-3400-4P-7300U | Advanced Fanless System with Intel® Core™ i5-7300U Processor, 2x LAN, 4x PoE |
| | RCO-3400-4P-7100U | Advanced Fanless System with Intel® Core™ i3-7100U Processor, 2x LAN, 4x PoE |
| | RCO-3400-4P-M12-7300U | Advanced Fanless System with Intel® Core™ i5-7300U Processor, 2x LAN, 4x M12 PoE |
| | RCO-3400-4P-M12-7100U | Advanced Fanless System with Intel® Core™ i3-7100U Processor, 2x LAN, 4x M12 PoE |