



Industrial Computer

# RCO-3000-BRD-U

Industrial Computer with 5th Gen Intel® Core™ Processor, 4xCOM



## Features

- Intel® Core™ i5-5350U, i3-5010U, or Celeron® 3765U
- 1x SO-DIMM socket, DDR3L-1066/1333, up to 8GB
- DVI-I and DP
- 4x COM, 2x USB 3.0, 6x USB 2.0, 2x GbE
- 2x mini-PCIe (2x mSATA auto-detect) with 1x I/O bracket
- Optional 4x GbE in RJ-45 or M12 connector with 802.3at PoE option
- 2x external SIM slots
- -25°C ~ 70 °C operating temperature
- 5 Grms vibration, 50G shock (with SSD)
- 9~48V (over voltage/current, reverse polarity protection)
- TPM 2.0 Support

## Specifications

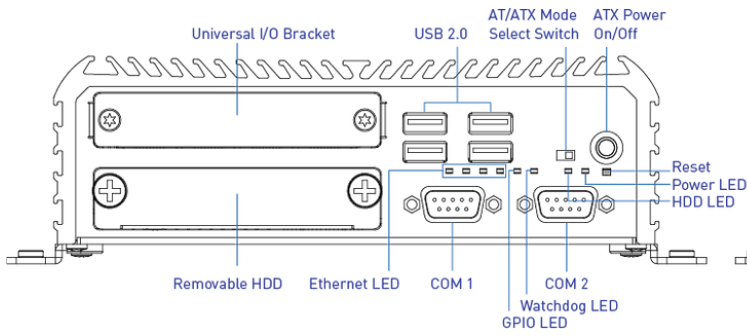
System	
Processor	Intel Core i5-5350U Processor, Dual Core, 3MB Cache, up to 2.9 GHz Intel Core i3-5010U Processor, Dual Core, 3MB Cache, 2.1 GHz Intel® Celeron® Processor 3765U, Dual Core, 2MB Cache, 1.9 GHz
System Chipset	SoC integrated
LAN Chipset	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) 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
TPM	TPM 2.0
Display	
Display Port	1x DP
DVI	1x DVI-I
Multiple Display	Triple Display
Storage	
mSATA	2x mSATA (shared by 2x Mini PCIe)
SIM Socket	2x External SIM socket
SSD/HDD	1x Internal 2.5" SATA HDD Bay 1x Hotswap 2.5" SATA HDD Bay Support RAID 0, 1, 5, 10
Expansion	
Mini PCIe	2x Full-size Mini PCIe
I/O	
Audio	1x Mic-in, 1x Line-out
COM	4x RS-232/422/485
DIO	4 in / 4 out (Isolated)
LAN	2x GbE RJ45 (Base Model) 4x GbE RJ45 (Module) 4x GbE M12 (Module)
PoE	4x IEEE 802.3at (25.5W) GbE RJ45 (Module) 4x IEEE 802.3at (25.5W) GbE M12 (Module)
Universal I/O Bracket	1x Universal I/O Bracket (For Mini PCIe application)
USB	2x USB 3.0, 6x USB 2.0
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 Adapter	Optional AC/DC 12V/5A, 60W Optional AC/DC 24V/9.2A, 220W (PoE Module)
Power Management	ACPI 5.0a compliant
Power Mode	AT/ATX selectable
Power Supply Voltage	9 ~ 48 VDC
Power Connector	3-pin Terminal Block
Power Protection	Over-Voltage Protection (OVP) Over-Current Protection (OCP) Reverse Polarity Protection (RPP)
Environment	
Operating Temperature	-25 °C ~ 70 °C (-13 °F ~ 158 °F)
Storage Temperature	-40°F ~ 185°F (-40°C ~ 85°C)
Relative Humidity	10% to 95% (non-condensing)
Certification	CE, FCC Class A
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
Physical	
Dimensions	7.3" x 7.8" x 2.2" (185 x 197 x 56 mm)
Weights	2.16kg
Construction	Extruded aluminum with heavy duty metal
Mounting Options	Wall / DIN-Rail mounting kits (optional)

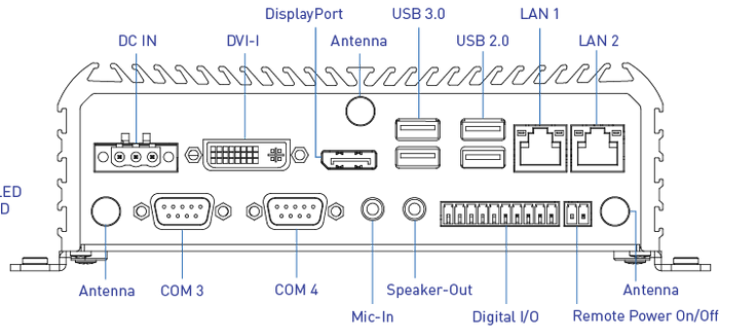
\* All specifications and photos are subject to change without notice.

External I/O Mechanical Layout

Front Panel

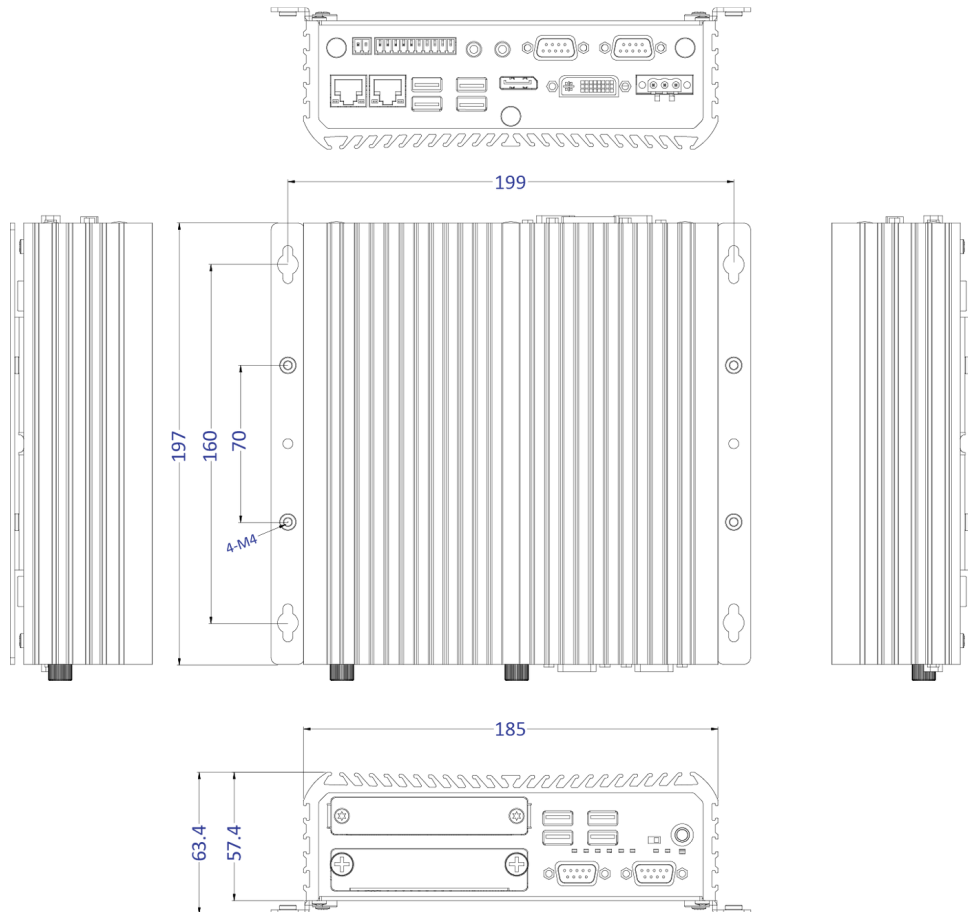


Rear Panel



Dimension

Unit: mm



### Available Models

Model No.	Description
RCO-3000-BRD-3765U-P	Industrial Computer with 5th Gen Intel® Core™ i3-3765U Processor, 4xCOM
RCO-3000-BRD-5010U-P	Industrial Computer with 5th Gen Intel® Core™ i5-5010U Processor, 4xCOM
RCO-3000-BRD-5350U-P	Industrial Computer with 5th Gen Intel® Core™ i5-5350U Processor, 4xCOM

### Optional Accessories

Model No.	Description
1-E09A22801	Adapter AC/DC 24V/11.67A 280W 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
999930	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 RCO-3000-BRD-U
- 1x Utility DVD Driver
- 1x Wall Mount Kit
- 1x Accessory Kit

### Exports And Tariff Codes

ECCN	5A992.c
HTS	8471.50.0150
Schedule B	84.71