



FEATURES

- LGA 1151 socket for 6th/7th Gen. Intel® Core™ i7/i5/i3 or Pentium® / Celeron® Desktop Processor
- Intel® Q170 chipset
- 2x DDR4 1866/2133MHz SODIMM. Max. up to 32GB
- Intel® HD Graphics 530 / 630
- Triple independent display supported by 1x DVI-I, 1x DisplayPort, 1x HDMI (Optional)
- 2x Intel® GbE supporting Wake-on-LAN and PXE
- 2x internal 2.5" SATA HDD bay with RAID 0, 1, 5, 10 support, 2x mSATA (shared by 2x Mini PCIe), 1x CFast
- 2x full-size Mini PCIe (shared by 2x mSATA) for communication or expansion modules, 2x external SIM socket
- 4x RS-232/422/485 (w/ 2x internal), 6x USB 3.0, 2x USB 2.0 (internal), TPM 2.0
- 8x DI + 8x DO with isolation
- 9 to 50VDC wide range power input supporting AT/ATX mode
- -25°C to 60°C extended operating temperature

SPECIFICATIONS

System

Processor

Support 6th & 7th Gen Intel® Core™ i7 / i5 / i3 / Pentium® / Celeron® Desktop Processor (LGA 1151)

- 7th Gen Intel® Core™ i7-7700T, Quad Core, 8MB cache, up to 3.8 GHz
- 7th Gen Intel® Core™ i5-7500T, Quad Core, 6MB cache, up to 3.3 GHz
- 7th Gen Intel® Core™ i3-7101TE, Dual Core, 3MB Cache, 3.4 GHz
- 6th Gen Intel® Core™ i7-6700TE, Quad Core, 8MB Cache, up to 3.4 GHz
- 6th Gen Intel® Core™ i5-6500TE, Quad Core, 6MB Cache, up to 3.3 GHz
- 6th Gen Intel® Core™ i3-6100TE, Dual Core, 4MB Cache, 2.7 GHz
- Intel® Pentium® G4400TE, Dual Core, 3MB Cache, 2.4 GHz
- Intel® Celeron® G3900TE, Dual Core, 2MB Cache, 2.3 GHz

System Chipset Intel® Q170 Express Chipset

LAN Chipset GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE)
GbE2: Intel® I219LM (Support Wake-on-LAN and PXE)

Audio Codec Realtek ALC888S

System Memory 2x DDR4 1866/2133MHz SODIMM.
Max. up to 32GB

BIOS AMI 128Mbit SPI BIOS

Watchdog Software Programmable Supports 1~255 sec. System Reset

TPM TPM 2.0

Display

Graphics Intel® HD Graphics 530 / 630

DVI 1x DVI-I

DisplayPort 1x DisplayPort

HDMI 1x HDMI (optional)

Multiple Display Triple Display

Storage

SSD/HDD 2x Internal 2.5" SATA HDD Bay
Support RAID 0, 1, 5, 10

mSATA 2x mSATA (shared by 2x Mini PCI Express)

CFast 1x CFast

SIM Socket 2x External SIM socket

Expansion

Mini PCI 2x Full-size Mini PCIe (shared by 2x mSATA)

Operating System

Windows 6th Gen CPU: Windows 10, Windows 7, WES7
7th Gen CPU: Windows 10

Linux Linux kernel 4.X

I/O

COM 2x RS-232/422/485
2x RS-232/422/485 (internal)

USB 6x USB 3.0, 2x USB 2.0 (internal)

LAN 2x RJ45

Audio 1x Mic-in, 1x Speaker-out

DIO 8 in / 8 out (Isolated)

Others 4x WiFi Antenna Holes
1x Power Switch, 1x AT/ATX Switch,
1x Remote Power On/Off

Power

Power Mode AT, ATX

Power Supply 9-50VDC
Voltage

Power Connector 3-pin Terminal Block

Power Adaptor Optional AC/DC 24V/5A, 120W

Power Protection OVP (Over Voltage Protection)
OCP (Over Current Protection)
Reverse Protection

Environment

Operating Temp. -20°C to 60°C

Storage Temp. -40°C to 85°C

Relative Humidity 10% to 95% (non-condensing)

Vibration With SSD: 5 Grms, 10 - 500 Hz, 0.5 hr/axis
With HDD: 1 Grms, 10 - 500 Hz, 0.5 hr/axis

Shock With SSD: 20G, half sine, 11ms

Standards / Certification CE, FCC Class A

Physical

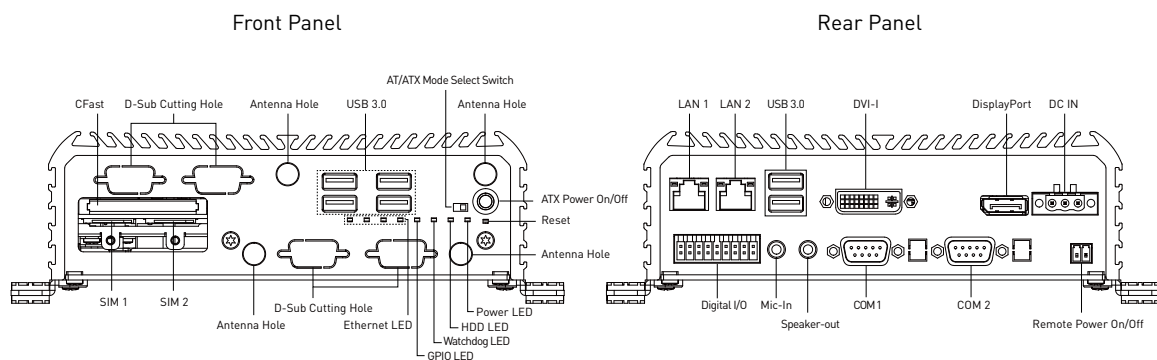
Construction Extruded Aluminum with Heavy Duty Metal

Dimension 185 (W) x 197 (D) x 57.4 (H) mm

Weight 2.28 kg

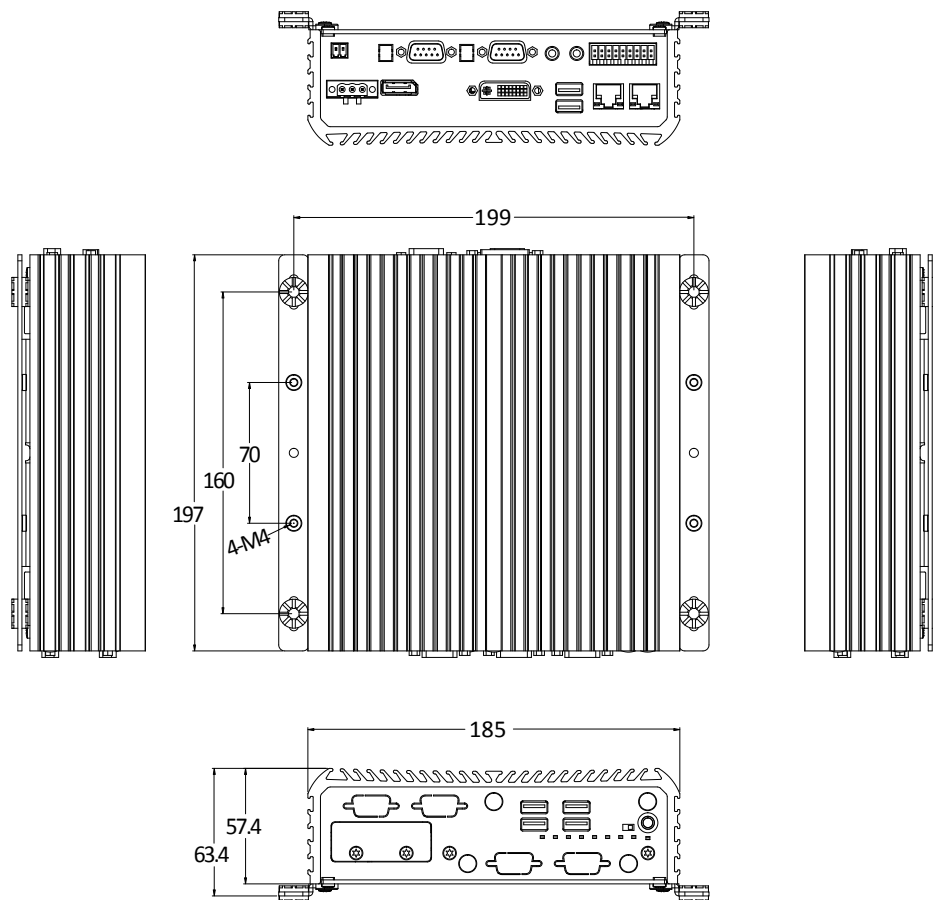
Mounting Wall / Book Mounting
DIN-Rail Mounting (Optional)

EXTERNAL I/O MECHANICAL LAYOUT



DIMENSION

Unit: mm



ORDERING INFORMATION

MODEL NO.	DESCRIPTION
1-E09A12002	Adapter AC/DC 24V 5A 120W 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

PACKING LIST

- 1x RCO-3600 Series Embedded System
- 1x Utility DVD Driver
- 1x Wall Mount Kit
- 1x Accessory Kit

AVAILABLE MODELS

MODEL NO.	DESCRIPTION
RCO-3600	Advanced Fanless Embedded System with Intel® 6 th /7 th Gen Processor and Q170 PCH