



GPU COMPUTING SYSTEM

RCO-6000-CML-2C-2PWR

GPU Computing System w/ LGA 1200 for Intel 10th Gen Processor and W480E PCH, 1x PCIe x16, 1x PCI, 2x Power input

Features

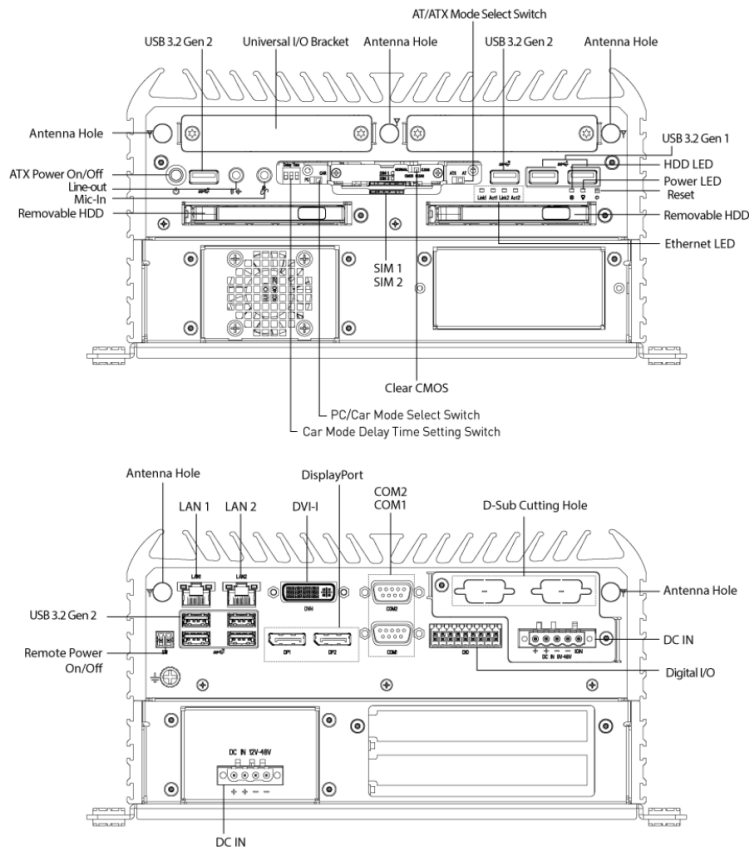
- LGA 1200 socket for 10th Gen. Intel® CML S Processor (65W/35W TDP)
- Intel® W480E chipset
- 2x DDR4 2666/2933MHz SODIMM. Max. up to 64GB
- Triple Independent Display: 2x DisplayPort, 1x DVI-I
- 2x Intel® GbE supporting Wake-on-LAN and PXE
- 2x Full-size Mini PCIe for communication or expansion modules, 2x SIM socket
- 3x 2.5" SATA HDD Bay (1x Internal) and with RAID 0, 1, 5 support
- 1x M.2 (E Key, PCIe x1, USB 2.0, 2230)
- 8x RS-232/422/485 (6x internal), 6x USB 3.2 Gen 2, 3x USB 3.2 Gen 1 (1x internal)
- 8x DI + 8x DO with isolation
- 9 to 48VDC Wide Range Power Input Supporting AT/ATX Mode
- Wide Operating Temperature -25°C to 70°C (35W/65W CPU)
- TPM 2.0 Supported
- 1x PCIe x16 and 1x PCI Expansion
- UL Listed



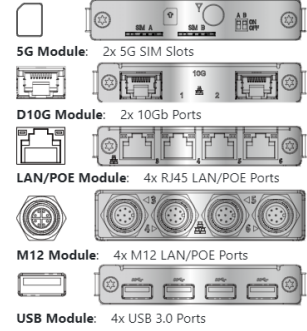
Specifications

System		Universal I/O Bracket	2x Universal I/O Bracket (By mini PCIe interface)
Processor		USB	6x USB 3.2 Gen 2 (10 Gbps) 3x USB 3.2 Gen 1 (5 Gbps, 1x Internal) 2x USB 2.0 header (internal)
Support 10th Gen Intel® CML S Processor (LGA 1200, 65W/35W TDP)		Others	5x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off 1x PC/Car Mode Switch, 1x Delay Time Switch 1x Removable CMOS Battery 4x 4-Pin Power Connector, 1x 4-PIN FAN Connector
-Intel® Xeon® W-1290TE, 10 Cores, 20MB Cache, up to 4.5 GHz		Operating System	
-Intel® Xeon® W-1270TE, 8 Cores, 16MB Cache, up to 4.4 GHz		Windows	Windows 10
-Intel® Xeon® W-1250TE, 6 Cores, 12MB Cache, up to 3.8 GHz		Linux	Linux kernel
-Intel® Core™ i9-10900E, 10 Cores, 20MB Cache, up to 4.7 GHz		Power	
-Intel® Core™ i9-10900TE, 10 Cores, 20MB Cache, up to 4.5 GHz		Power Adapter	Optional AC/DC 24V/5A, 120W Optional AC/DC 24V/9.2A, 220W Optional AC/DC 24V/11.67A, 280W (For GPU/Card Expansion)
-Intel® Core™ i7-10700E, 8 Core, 16MB Cache, up to 4.5 GHz		Power Mode	AT, ATX
-Intel® Core™ i7-10700TE, 8 Cores, 16MB cache, up to 4.4 GHz		Power Ignition Sensing	Power Ignition Management
-Intel® Core™ i5-10500T, 6 Cores, 12MB Cache, up to 4.2 GHz		Power Supply Voltage	2x Power Input 9~48VDC 12~48VDC for GPU/Card Expansion
-Intel® Core™ i5-10500TE, 6 Core, 12MB Cache, 3.7 GHz		Power Connector	5-pin Terminal Block 4-pin Terminal Block for GPU Expansion
-Intel® Core™ i3-10100T, 4 Cores, 6MB cache, up to 3.8 GHz		Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection
-Intel® Core™ i3-10100TE, 4 Cores, 9MB Cache, up to 3.6 GHz		Environment	
System Chipset	Intel® W480E Chipset	Operating Temperature	-25°C to 70°C (35W/65W CPU)
LAN Chipset	GbE1: Intel I219 (Support Wake-on-LAN and PXE) GbE2: Intel I210 (Support Wake-on-LAN and PXE)	Storage Temperature	-30°C to 85°C
Audio Codec	Realtek ALC888S	Relative Humidity	10% to 95% (non-condensing)
System Memory	2x 260-Pin DDR4 2666 /2933MHz SODIMM. Max. up to 64GB (ECC and Non-ECC)	Certification	UL, CE, FCC Class A
Graphics	Intel® UHD Graphics 630	Vibration	With SSD: 3 Grms, 5 - 500 Hz, 0.5 hr/axis With HDD: 1 Grms, 5 - 500 Hz, 0.5 hr/axis
BIOS	AMI 256Mbit SPI BIOS	Shock	With SSD: 20G, half sine, 11ms
Watchdog	Software Programmable Supports 1~255 sec. System Reset	Physical	
TPM	TPM 2.0	Dimensions	240 (W) x 261 (D) x 126.8 (H) mm
Display		Weights	5.6 kg
Display Port	2x DisplayPort, support resolution 4096 x 2304, DP++	Construction	Extruded Aluminum with Heavy Duty Metal
DVI	1x DVI-I, support resolution 1920 x 1200	Mounting Options	Wall Mounting
Multiple Display	Triple Display	Expansion	
VGA	Yes (by optional split cable)	M.2	1x M.2 (E Key, PCIe x1, USB 2.0, 2230)
Storage		Mini PCIe	2x Full-size Mini PCIe
SIM Socket	2x External SIM socket (Mini PCIe attached)	PCIe	1x PCIe x16
SSD/HDD	1x Internal 2.5" SATA/SSD HDD Bay (support H=9mm) 2x Removable 2.5" SATA HDD Bay (support H=7mm, Hot-swappable) Support RAID 0, 1, 5	PCI	1x PCI
Expansion		Expansion Modules	
Occupied One Universal I/O Slot:		<ul style="list-style-type: none"> • 4-port GbE module with Intel® I350 Chipset, RJ-45 or M12 connector (PoE optional) • 2-Port RJ45 10GbE with Intel X710 Chipset • 4-Port USB with Renesas uPD720201K8 host controller (share PCIe Gen2 x1 bandwidth) • 1x M.2 for 5G (B Key, PCIe x1, USB 3.0, 3042/3052), Including 2x SIM socket, 1x SIM switch (1x Universal Slot Only) 	
Card Dimension	235 (L) x 112 (H) mm	I/O	
Audio		Audio	1x Mic-in, 1x Line-out
CAN		CAN	2x CAN 2.0 A/B 2-pin Internal header
COM		COM	2x RS-232/422/485 ; 6x RS-232/422/485 (internal)
DIO		DIO	8 in / 8 out (Isolated)
LAN		LAN	2x RJ45

External I/O Mechanical Layout

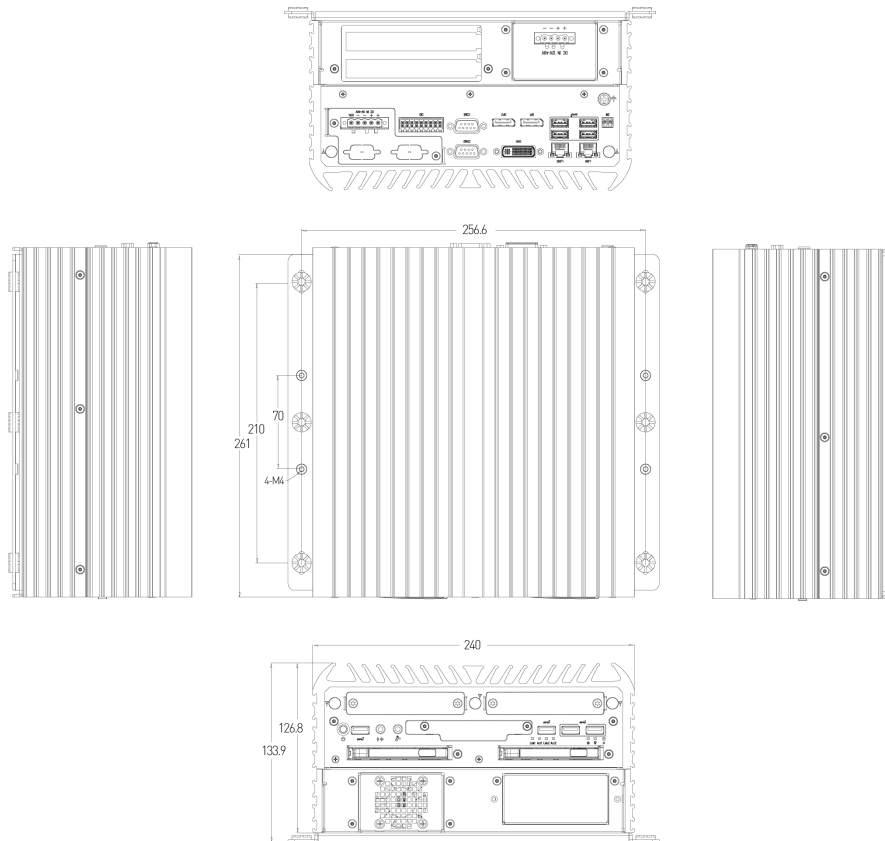


Available Modules



Dimension

Unit: mm



Available Models

Model No.	Description
RCO-6000-CML-2C-2PWR	GPU Computing System w/ LGA 1200 for Intel 10th Gen Processor and W480E PCH, 1x PCIe x16, 1x PCI, 2x Power input

Optional Accessories

Model No.	Description
1-E09A12002	Adapter AC/DC 24V 5A 120W 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
1-E09A22801	Adapter AC/DC 24V/11.67A 280W with 3pin 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

Packing List

1x RCO-6000-CML Series Embedded System
1x Wall Mount Kit
1x Accessory Kit
1x DVI to VGA Adapter