

VCO-6022C-2PWR

GPU Computing System with LGA 1151 for Intel® 6th/7th Gen Processor and Q170 PCH, 24V Power for GPU

FEATURES

- Support 6th & 7th Gen Intel® Core™ i7 / i5 / i3 / Pentium® / Celeron® Desktop Processor (LGA 1151)
- Intel® Q170 chipset
- 2x DDR4 SODIMM. max up to 32GB
- Triple independent display supported by 1x DVI-I and 2x DisplayPort
- 2x Intel® GbE supporting Wake-on-LAN and PXE
- 2x 2.5" SATA HDD Bay supporting RAID 0, 1, 5, 10; 2x mSATA (shared by 2x Mini PCIe), 1x CFAST
- 3x full-size Mini PCIe for communication or expansion modules
- 4x RS-232/422/485 (w/ 2x internal), 4x USB 3.0
- 1x PCIe x16 and 1x PCI expansion
- 8x DI + 8x DO with isolation
- 9 to 50VDC wide range power input supporting AT/ATX mode
- -25°C to 70°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

DISPLAY

Graphics Intel® HD Graphics 530 / 630

DVI 1x DVI-I

DisplayPort 2x DisplayPort

Multiple Display Triple Display

STORAGE

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

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

CompactFlash/CFast 1x CFAST

EXPANSION

Mini PCI Express 3x Full-size Mini PCIe (shared by 2x mSATA)

PCI Express 1x PCIe x16

PCI 1x PCI

I/O

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

USB 4x USB 3.0

LAN 2x RJ45

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

DIO 8 in / 8 out (Isolated)

Others 2x WiFi Antenna Holes
1x Power Switch, 1x AT/ATX Switch

OPERATING SYSTEM

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

Linux Linux kernel 4.X

POWER

Power Mode AT, ATX

Power Supply Voltage System: 9~50VDC
GPU: 24VDC

Power Connector 3-pin Terminal Block

Power Adaptor Optional AC/DC 24V/9.2A, 220W

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

ENVIRONMENT

Operating Temp. -25°C to 70°C

Storage Temp. -40°C to 85°C

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

Vibration With SSD: 3 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

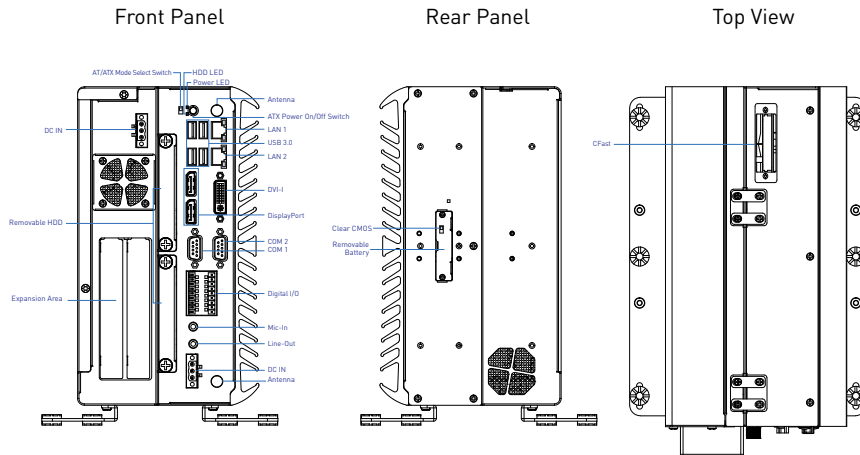
Construction Extruded Aluminum with Heavy Duty Metal

Dimension 137(W) x 256(D) x 240(H) mm

Weight TBD

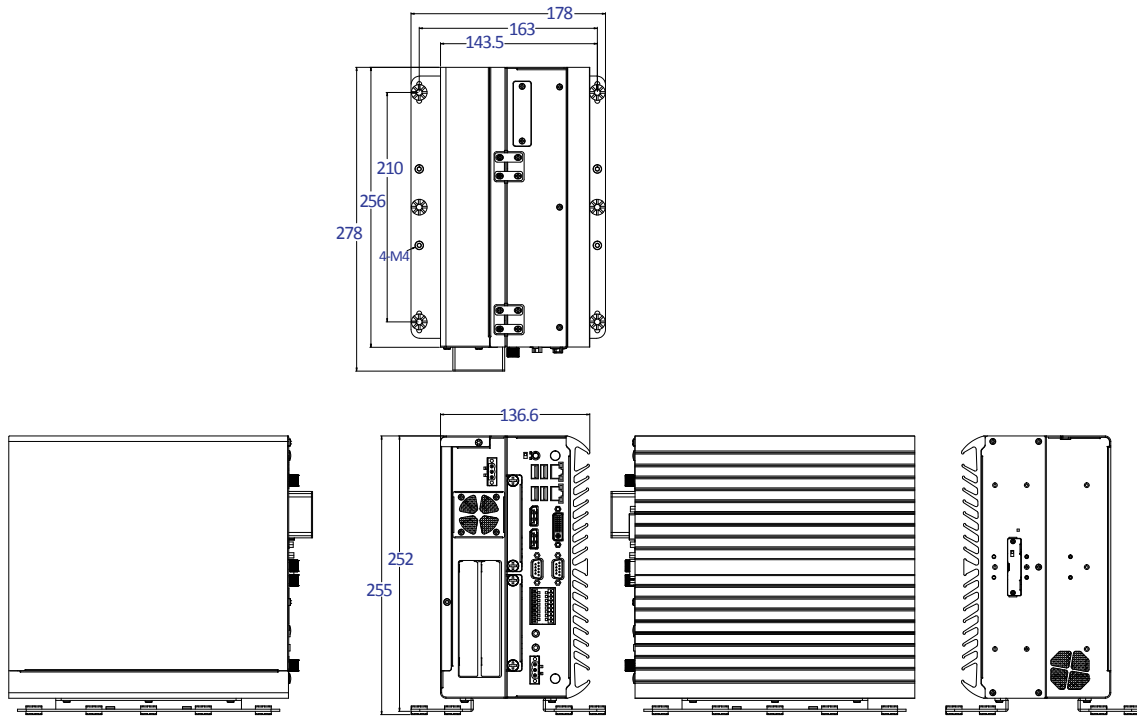
Mounting Wall / Book Mounting
DIN-Rail Mounting (Optional)

EXTERNAL I/O MECHANICAL LAYOUT



DIMENSION

Unit: mm



AVAILABLE MODELS

MODEL NO.	DESCRIPTION
VCO-6022C-2PWR	GPU Computing System with LGA 1151 for Intel® 6 th /7 th Gen Processor and Q170 PCH, 24V Power for GPU

OPTIONAL ACCESSORIES

MODEL NO.	DESCRIPTION
1-E09A22102	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 VCO-6022C-2PWR Embedded System
- 1x Utility DVD Driver
- 1x Wall Mount Kit
- 1x Accessory Kit
- 1x DVI to VGA Adapter