

PUMA VCO-6131E-4M2

Embedded system with LGA 1151 for Intel® CFL-R S i7/i5/i3 8th / 9th Gen. processors

Features

- Intel® CFL-R S i7/i5/i3 8th/ 9th Gen CPUs
- Intel® Q370 Chipset
- 2x DDR4 2400/2666Hz SODIMM. Max. up to 64GB
- 1x PCIe x16, and 4x M.2 (NVMe PCIe x2), 2x SIM-Socket

System

CPU	Support 8th/9th Gen Intel® CFL-R S Processor (LGA 1151) – Intel® Core™ i7-9700E, 8 Cores, 12MB cache, up to 4.4 GHz – Intel® Core™ i5-9500E, 6 Cores, 9MB Cache, up to 4.2 GHz – Intel® Core™ i3-9100E, 4 Core, 6MB Cache, 3.7 GHz – Intel® Core™ i7-9700TE, 8 Cores, 12MB cache, up to 3.8 GHz – Intel® Core™ i5-9500TE, 6 Cores, 9MB Cache, up to 3.6 GHz – Intel® Core™ i3-9100TE, 4 Core, 6MB Cache, 3.2 GHz – Intel® Core™ i7-8700T, 6 Cores, 12MB cache, up to 4.0 GHz – Intel® Core™ i5-8500T, 6 Cores, 9MB Cache, up to 3.5 GHz – Intel® Core™ i3-8100T, 4 Cores, 6MB Cache, 3.1 GHz
Chipset	Intel® Q370 Express chipset
Memory	2x 260-Pin DDR4 2400/2666 MHz SODIMM up to 64GB (Un-buffered and Non-ECC)
Storage Devices	2x internal 2.5" SATA HDD drive bays 2x removable 2.5" SATA HDD drive bays Supports RAID 0, 1, 5, 10 1x mSATA (with Mini PCIe) 1x M.2 (M Key, NVMe PCIe x4, 2280) 1x M.2 (E Key, PCIe x2, USB 2.0, 2230) 4x M.2 PCIe x2, 2280 (hot-swappable) 2x SIM Slots (external /intern)
LAN Chipset	GbE1: Intel® I210-AT (Supports Wake-on-LAN and PXE) GbE2: Intel® I219LM (Supports Wake-on-LAN and PXE)
Operating Systems	Windows® 10, Linux Kernel 5.X
Watchdog	Software programmable, 1 ~ 255 sec. system reset
Expansion Slots	2x Full-Size Mini PCIe (shared with 2x mSATA) 1x PCIe x4 (1-lane), 1x PCIe x16 (8-lane), 4x M.2 PCIe x2
Interface	
USB	4x USB 3.2 Gen 2 (10 Gbps), 5x USB 3.2 Gen 1 (5 Gbps), 2x USB 2.0
Ethernet	2x RJ-45 for Gigabit Ethernet
Serial Ports	4x RS-232/422/485 2x RS-232/422/485 (internal)
Video	2x DisplayPorts, 1x DVI-I
Other	5x WiFi antenna holes, 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off, 1x PC/Car Mode Switch, 1x time delay switch, 1x removable CMOS battery (internal)
Mechanical	
Power Input	9 ~ 48VDC, 3-pin terminal block
Mounting	Wallmount
Dimensions	W x D x H: 157 x 340 x 240mm
Power Adapter	Optional AC/DC 24V, 220W/ 280W; AC/DC 24V, 280W for GPU
Weight	9.5 kg
Environmental	
Operating temp.	-25°C to 65°C (65W / 35W CPU)
Storage temp.	-30°C ~ 85°C
Humidity	10 ~ 95% @ 40°C, non-condensing
Anti-Vibration	With SSD: 3 Grms, 5 ~ 500Hz, 0.5 hr/axis With HDD: 1 Grms, 5 ~ 500Hz, 0.5 hr/axis
Certification	CE / FCC Class A

Front

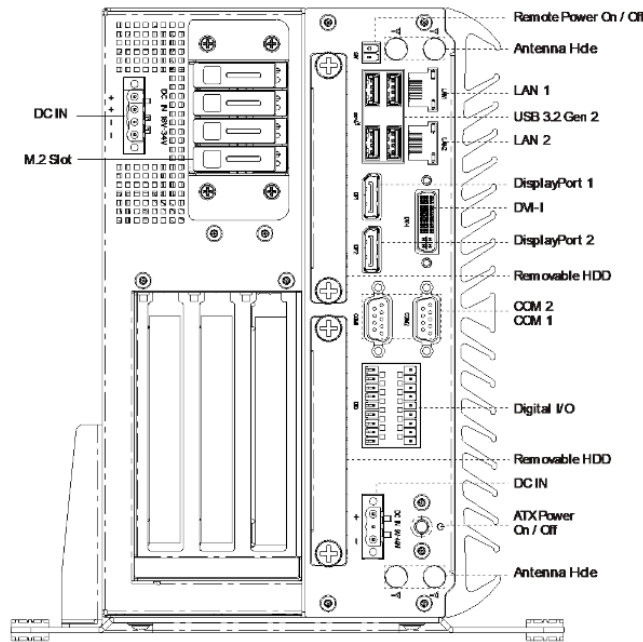


Rear



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Technical drawing (layout)



Technical drawing (dimensions in mm)

