

ICOM363

3U Rackmount Computer, Revision Controlled Intel® Q170 based with 4 PCIe and 3 PCI Expansion



Features

- 3U 19" Rackmount
- 5 to 7 years product life
- 3 independent displays: VGA + DVI-I (DVI-D signal) + HDMI
- Expansion for 4 PCI Express and 3 PCI cards
- Front to back cooling
- 20.8" Deep
- Industrial motherboard solution
- Short delivery options available
- Serialised and traceable
- Fully customisable



Product available until Q4 2022

Overview

The ICOM363 is our most advanced, flexible and cost effective 19" 3U high rack-mount computer with an industrial motherboard supporting a Intel® Q170 chipset. Specifically designed for a wide variety of applications that utilises 4 PCI Express and 3 PCI expansion slots. It's rugged, sturdy, fully sealed and well-cooled. Manufactured from steel the chassis has been designed to withstand heavy shocks, the ingress of dust, humidity, trembling vibration, as well as extremely high operating temperatures for mission-critical environments. With many enhancements to meet the newest technology changes, the ICOM363 is the ideal choice where your application needs a rock solid and scalable computing solution. Available with SBC and motherboard options and a wide variety of power supply and drive configurations.

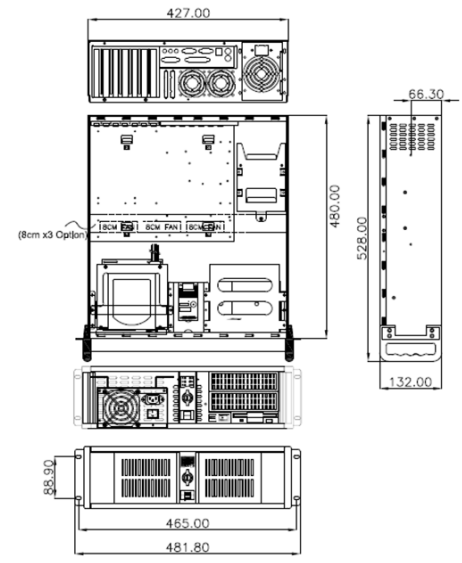
ICL build all systems with full revision control (the system will not change without you knowing) and serialise all major components for traceability.

Specification

Processor 6th Generation Intel® Core™ Processors, LGA 1151 Socket
CPU Options: Intel® Core™ i7-6700, Quad Core, 8M Cache, 3.4GHz, 65W Intel® Core™ i7-6700TE, Quad Core, 8M Cache, 2.4GHz, 35W Intel® Core™ i5-6500, Quad Core, 6M Cache, 3.2GHz, 65W Intel® Core™ i5-6500TE, Quad Core, 6M Cache, 2.3GHz, 35W Intel® Core™ i3-6100, Dual Core, 4M Cache, 3.7GHz, 65W Intel® Core™ i3-6100TE, Dual Core, 4M Cache, 2.7GHz, 35W Intel® Pentium® G4400, Dual Core, 3M Cache, 3.3GHz, 65W Intel® Pentium® G4400TE, Dual Core, 3M Cache, 2.9GHz, 35W Intel® Celeron® G3900, Dual Core, 2M Cache, 2.8GHz, 65W Intel® Celeron® G3900TE, Dual Core, 2M Cache, 2.6GHz, 35W
Chipset Intel® Q170 Chipset
BIOS Insyde SPI 128Mbit
Memory Four 288-pin ECC DIMM up to 64GB, Dual Channel DDR4 1866/2133MHz
Storage Devices 6 x SATA 3.0 (up to 6Gb/s), RAID options 0/1/5/10
Optical DVD±RW (±R DL) / DVD-RAM drive (uses one of the six SATA ports)
Watchdog Timer Software programmable from 1 to 255 seconds
Slot Configurations/Options 2 x PCIe x16 (1 x16 or 2 x8 signal) (Gen 3) 2 x PCIe x4 (Gen 3) 3 x PCI
Power Supply Options 350w to 700w, Hot-Swap Redundant* 90~250VAC DC 12~48V*
Audio Realtek ALC888S-VD2-GR
Ethernet 1 x Intel® I210AT PCIe (10/100/1000Mbps) 1 x Intel® I219LM PCIe with iAMT11.0 (10/100/1000Mbps) (only Core i7/i5 supports iAMT)
Serial Port 1 x RS-232/422/485 (RS-232 w/ power) (2.54mm pitch) 4 x RS-232 (2.54mm pitch)
Keyboard & Mouse 1 mini-DIN-6 port for PS/2 mouse/keyboard

Power Consumption Typical: i7 65W: 12V @ 2.45A (29.44Watt) Max.: i7 65W: 12V @ 6.02A (72.22Watt)
Onboard Graphics Intel® HD Gen 9 Graphics OpenGL 5.0, DirectX 12, OpenCL 2.1 HW Decode: AVC/H.264, MPEG2, VC1/WMV9, JPEG/MJPEG, HEVC/H265, VP8, VP9 HW Encode: MPEG2, AVC/H264, JPEG, HEVC/H265, VP8, VP9 1 x VGA 1 x DVI-I (DVI-D signal) 1 x HDMI VGA: resolution 1920x1200 @ 60Hz DVI-I: resolution 1920x1200 @ 60Hz HDMI: resolution 4096x2160 @ 24Hz VGA + DVI-I (DVI-D signal) + HDMI
Basic Port Overview 2 x GbE (RJ-45) 4 x USB 3.0 4 x USB 2.0 1 x RS-232/422/485 (RS-232 w/ power) (DB-9) 1 x PS/2 (mini-DIN-6) 1 x VGA 1 x DVI-I (DVI-D signal) 1 x HDMI 1 x Line-in (available upon request) 1 x Line-out 1 x Mic-in
I/O Connectors 1 x RS-232/422/485 (RS-232 w/ power) (2.54mm pitch) 4 x RS-232 (2.54mm pitch) 2 x USB 3.0 (2.00mm pitch) 4 x USB 2.0 (2.54mm pitch) or 4 x USB 2.0 (2.54mm pitch) + 1 x Vertical USB 2.0 (type A) (available upon request) 1 x Audio (Line-out/Mic-in) 1 x S/PDIF 1 x 8-bit DIO 1 x LPC (supports LPC EXT-RS232/RS485 module) 1 x SMBus
Operating System Support Windows 7 (WES7) 32/64-bit Windows 8.1 (64-bit) Windows 10 IoT Enterprise 64-bit Debian 8 (with VESA graphic driver) CentOS 7 (with VESA graphic driver) Ubuntu 15.10 (Intel graphic driver available)

Indicator Power on/off x1, HDD x1
Switch Power on/off x1, System reset x1
Environment Operation Temperature: 0~60 °C Storage Temperature: -20~85 °C Relative Humidity: 5~90%, non-condensing Dependent on specification
Vibration 5~7 Hz: 0.5" double amplitude displacement 7~2000 Hz: 1.5g acceleration
Cooling 2x replaceable air filters 1x 8cm cooling fan 1x 6cm cooling fan 1x 6cm and 3x 8cm optional cooling fans
Colour Black (all other optional colours are available upon request)
Roadmap Available until Q4 2022. Additional last time purchase options available through our extended life support Contact Sales for further information
Dimensions 482 (W) x 528 (D) x 133.3 (H); 19" (W) x 20.8 (D) x 5.25" (H)



* Change of chassis required

All systems are fully configured & integrated to our customer's specifications including:

- Memory
- HDD/SSD
- Operating System
- Application Software
- PCI/PCIe card Installation

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