

ICOM268

Industrial 2U Rackmount 6th/7th Gen System



ICOM268

PRODUCT HIGHLIGHTS

- ▶ 2U 19" 16.9" Deep Rackmount system with 5 expansion slots
- ▶ Industrial PICMG1.3 Single Board Computer system
- ▶ Supports Intel 6th/7th Gen Core™ with Intel® Q170 chipset
- ▶ 2 DDR4 DIMM up to 32GB
- ▶ PCIe and PCI backplane options
- ▶ System available in Black, Silver or Custom colour
- ▶ Supports 3 independent displays: DVI-D, HDMI and VGA
- ▶ 15-Year CPU Life Cycle Support Until Q2 2025



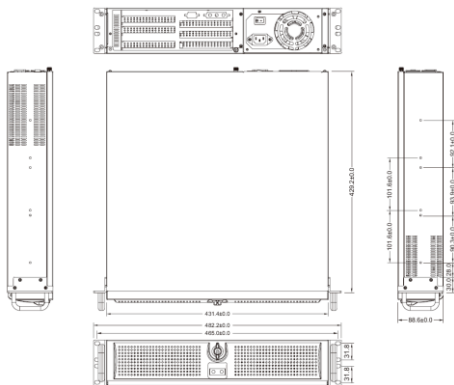
TECHNICAL INFORMATION

PROCESSOR	7th Gen Intel® Core™/Pentium®/Celeron® LGA 1151 Processors TDP up to 65W: Intel® Core™ i7-7700 (4 Cores, 8M Cache, up to 4.2 GHz); 65W Intel® Core™ i7-7700T (4 Cores, 8M Cache, up to 3.8 GHz); 35W Intel® Core™ i5-7500 (4 Cores, 6M Cache, up to 3.8 GHz); 65W Intel® Core™ i5-7500T (4 Cores, 6M Cache, up to 3.3 GHz); 35W Intel® Core™ i3-7101E (2 Cores, 3M Cache, 3.9 GHz); 65W Intel® Core™ i3-7101TE (2 Cores, 3M Cache, to 3.4 GHz); 35W 6th Gen Intel® Core™/Pentium®/Celeron® LGA 1151 Processors TDP up to 65W: Intel® Core™ i7-6700 (4 Cores, 8M Cache, up to 4.0 GHz); 65W Intel® Core™ i7-6700TE (4 Cores, 8M Cache, up to 3.4 GHz); 35W Intel® Core™ i5-6500 (4 Cores, 6M Cache, up to 3.6 GHz); 65W Intel® Core™ i5-6500TE (4 Cores, 6M Cache, up to 3.3 GHz); 35W Intel® Core™ i3-6101E (2 Cores, 4M Cache, 3.7 GHz); 65W Intel® Core™ i3-6101TE (2 Cores, 4M Cache, to 2.7 GHz); 35W Intel® Pentium® G4400 (2 Cores, 3M Cache, 3.3 GHz); 65W Intel® Pentium® G400TE (2 Cores, 3M Cache, 2.9 GHz); 35W Intel® Celeron® G3900 (2 Cores, 2M Cache, 2.8 GHz); 65W Intel® Celeron® G3900TE (2 Cores, 2M Cache, 2.6 GHz); 35W
CHIPSET	Intel® Q170 Chipset
MEMORY	Two 288-pin DIMM up to 32GB
BIOS	AMI UEFI BIOS (SPI ROM)
STORAGE	Supports 2 x 3.5" drive bays in removable hot-swap frames Supports 1 x Slimline DVD Supports RAID 0/1 6 x SATA 3.0 ports (Dual ports via Backplane)
OPTICAL	Optional DVD±RW (±R DL) / DVD-RAM drive
WATCHDOG TIMER	Programmable 0.5 to 254.5 seconds intervals
EXPANSION SLOTS	System supports 6 slot butterfly backplanes: Option 1: 5-slot [PCIe x16 (1), PCIe x4 (1), PCI (3)] Option 2: 5-slot [PCIe x16 (1) PCIe x1 (4)]
POWER SUPPLY OPTIONS	400W ~ 600W 90~250VAC DC 12~48V Redundant Power Supplies
AUDIO	Realtek ALC88-GR
ETHERNET	1 x Intel® I210AT PCIe (10/100/1000Mbps) 1 x Intel® I219LM PCIe with iAMT12.0 (10/100/1000Mbps) (only Core i7/i5 supports iAMT)
OPERATING SYSTEMS SUPPORTED	Windows 7 Windows 10 Pro Windows 10 IoT Enterprise 64-bit Linux (Only 6 th Gen supports Windows 7)

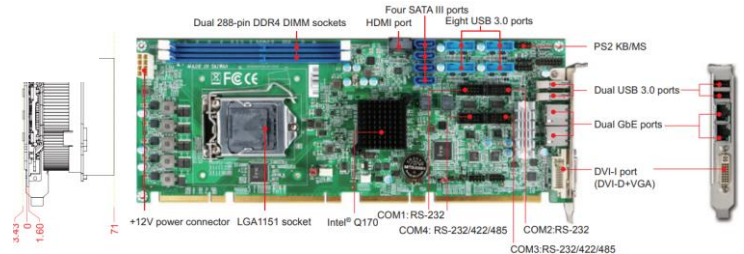
TECHNICAL INFORMATION (CONTINUED)

MULTI-DISPLAY OUTPUTS	Supports Triple Displays: 1 x VGA (through DVI-I on rear bracket); resolution up to 1920 x 1200 @ 60Hz 1 x DVI-D (through DVI-I on rear bracket); resolution up to 1920 x 1200 @ 60Hz 1 x HDMI on internal connector; resolution up to 4096 x 2160 @ 24Hz
REAR I/O PORTS	2 x USB 3.0 2 x LAN 1 x DVI-I (DVI-D + VGA)
OPTIONAL PORT EXPANSION FROM SBC	2 x RS-232 ports on pin header (2.54 mm pitch) 2 x RS-232/422/485 on pin header (selectable by BIOS; 2.54 mm pitch) 8 x USB 3.0 on pin header (2.00 mm pitch) 2 x USB 2.0 through backplane PS/2 keyboard & mouse on pin header (optional cable is required)
FRONT CHASSIS CONNECTORS	2 x USB
DRIVE BAYS	2 x 3.5" SATA & 1 x 5.25" Slimline drive bays
MOTHERBOARD MTBF	Over 100,000 hours at 40°C
ENVIRONMENT	Operating temperature: 0°C to 60°C Storage temperature: -20°C to 80°C Relative humidity: 5~90%, non-condensing (Dependant of overall system specifications)
COOLING	Replaceable air filter Two 7cm ball-bearing cooling fans
COLOUR	Black or Silver (all other optional colours are available upon request)
DIMENSIONS:	482 (W) x 429.2 (D) x 88.6 (H); 19" (W) x 16.9 (D) x 3.5" (H)

MECHANICAL DRAWING



SINGLE BOARD COMPUTER DETAILS



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