

ICOM1191

1U 6th/7th Gen PICMG1.3 System



ICOM1191

PRODUCT HIGHLIGHTS

- ▶ 1U Industrial rackmount system, 17.21" Depth
- ▶ 2 PCIe expansion slots
- ▶ Supports Intel® 6th/7th Gen processors
- ▶ Intel® Core™, Pentium®, Celeron® CPUs
- ▶ Intel® Q170 Chipset, RAID 0/1/5
- ▶ 2 DDR4 DIMMs up to 32GB
- ▶ 2 Display outputs: 1 DVI-I Standard
- ▶ I/O: 2 LAN, 2 USB 3.1, 1 DVI-I
- ▶ Windows 7, 10 Pro / IoT & Linux
- ▶ CPU Life Cycle Support Until Q2 2025



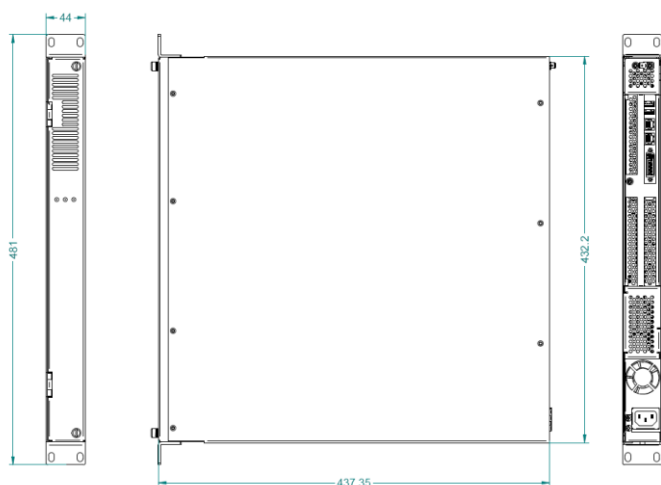
TECHNICAL INFORMATION

PROCESSOR	LGA1151 socket 7th/6th gen Intel® Core™ processor, TDP up to 65W, Intel® vPro supported
CHIPSET	Intel® Q170 Chipset
MEMORY	2 x 288-pin DDR4-2133/2400 un-buffered DIMM, up to 32GB
BIOS	AMI
STORAGE	Supports 1 x Slimline DVD 1 x 3.5" or 3 x 2.5" front accessible drives Supports RAID 0/1/5
OPTICAL	Optional DVD drive
WATCHDOG TIMER	Programmable via S/W from 1 sec. to 255 sec.
EXPANSION SLOTS	1U PICMG1.3 backplane supports: 1 x PCIe x16 or 1 x PCIe x4 expansion slot
POWER SUPPLY OPTIONS	1U Redundant 1U Single / Flex ATX
AUDIO	HD Codec audio as MIC-in/Line-in/Line-out/Speaker-out with optional audio kit
ETHERNET	1 x 10/100/1000 Mbps Ethernet with Intel® i219-LM; supports Wake-on-LAN, RPL/PXE Boot ROM, AMT 11 1 x 10/100/1000 Mbps Ethernet with Intel® i211-AT; supports Wake-on-LAN, RPL/PXE Boot ROM
SATA	6 x SATA-600 Supports RAID 0/1/5
TPM	Infineon SLB9635 for trusted platform (optional)
HARDWARE MONITORING	Detects CPU/system temperature, voltage and fan speed
BIOS OPTIONS	PICMG1.3 SBC with PCIE x 1 configured BIOS PICMG1.3 SBC with PCIE x 4 configured BIOS
OPERATING SYSTEMS SUPPORTED	Windows 7 Windows 8 Windows 10 64-bit Linux (Only 6 th Gen processors support Windows 7 and Windows 8)
DISPLAY	Intel® HD Graphics Shares system memory 1 x DVI-I port
USB PORTS	2 x USB 3.0 10 x USB 2.0 (6 ports on board, 4 ports on SHB connector-C golden fingers)
REAR I/O PORTS	2 x GbE (RJ-45) 1 x DVI-I 2 x USB 3.0
OPTIONAL PORT EXPANSION FROM SBC	5 x RS-232 1 x RS-232/422/485, mode selection by SW 4 x USB 2.0 1 x PS/2 keyboard internal connector 1 x PS/2 mouse internal connector

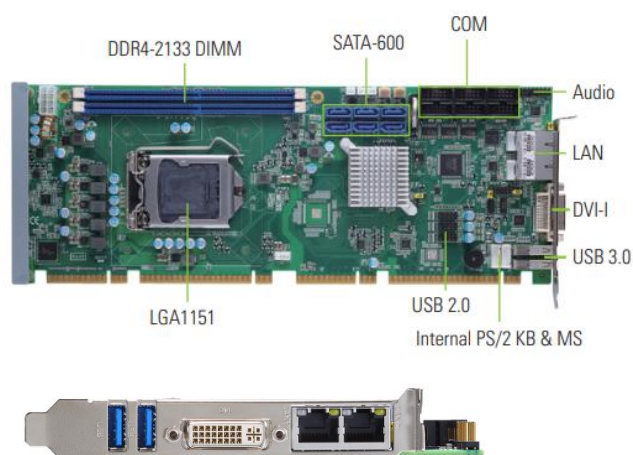
► TECHNICAL INFORMATION (CONTINUED)

FRONT CHASSIS CONNECTORS	2 x USB
DRIVE BAYS	Supports 1 x Slimline DVD 1 x 3.5" or 3 x 2.5" front accessible drives
ENVIRONMENT	Operating Temperature: 0°C to +60°C (+32°F to +140°F) dependent on specification Humidity: 10% to 95% relative humidity, non-condensing
POWER REQUIREMENTS	Intel® Core™ i7-6700, 8GB DDR4-2133/2400 x 2 +5V @ 1.38A, +12V @ 2.13A, +5VSB @ 0.72A, +3.3V @ 0.54A
VIBRATION	5~7 Hz: 0.5" double amplitude displacement 7~2000 Hz: 1.5g acceleration
COOLING	Two replaceable air filter Two 4cm ball-bearing cooling fans
COLOUR	Black (all other optional colours are available upon request)
DIMENSIONS:	482 (W) x 437.35(D) x 44 (H); 19" (W) x 17.21 (D) x 1.75" (H)
OPTIONAL PARTS	2 x USB 2.0 cable with bracket, P=2.54 mm, L=190 mm 2 x USB 3.1 (Gen1) cable with bracket, L=400 mm PS/2 keyboard & mouse cable with bracket HD audio converter kit 1 x COM port cable with bracket, P=2.54 mm, L=300 mm 2 x COM port cable with bracket, P=2.54 mm, L=300 mm DVI-I to DVI-D+VGA Y cable

► MECHANICAL DRAWING



► PICMG1.3 SBC DETAILS



► PICMG1.3 BACKPLANE



► Company Address

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