

ICOM186

1U 6th/7th Gen 20" Depth System



ICOM186

PRODUCT HIGHLIGHTS

- ▶ 1U Industrial rackmount system, 20" Depth
- ▶ 1 PCIe expansion slot
- ▶ Supports Intel® 6th/7th Gen processors
- ▶ Intel® Core™, Pentium®, Celeron® CPUs
- ▶ Intel® Q170 Chipset, RAID 0/1/5/10
- ▶ 2 DDR4 DIMMs up to 64Gb
- ▶ 3 Display outputs: VGA, DVI-I, DP++
- ▶ I/O: 2 LAN, 6 COM, 6 USB 3.0, 6 USB 2.0
- ▶ Windows 7, 8.1, 10 Pro / IoT & Linux
- ▶ CPU Life Cycle Support Until Q3 2030 (Based on Intel IOTG Roadmap)



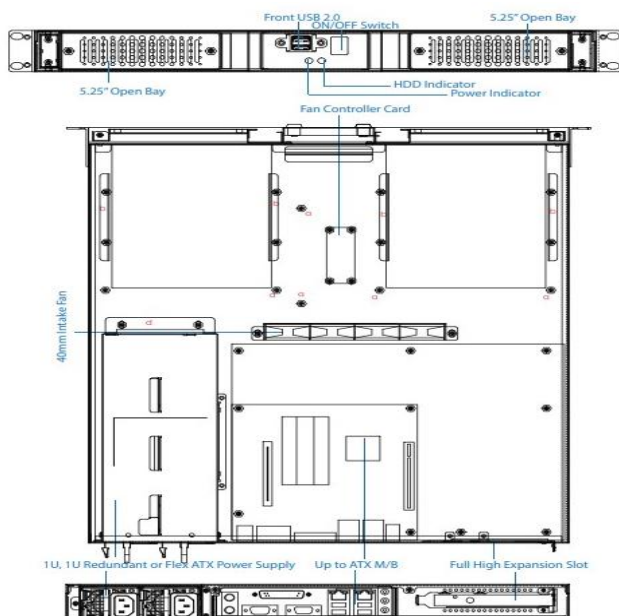
TECHNICAL INFORMATION

PROCESSOR	7th Generation Intel® Core™ Processors, LGA 1151 Socket Intel® Core™ i7-7700 Processor, Quad Core, 8M Cache, 3.6GHz (4.2GHz), 65W Intel® Core™ i5-7500 Processor, Quad Core, 6M Cache, 3.4GHz (3.8GHz), 65W Intel® Core™ i3-7101E Processor, Dual Core, 3M Cache, 3.9GHz, 65W 6th Generation Intel® Core™ Processors, LGA 1151 Socket Intel® Core™ i7-6700, Quad Core, 8M Cache, 3.4GHz (4.0GHz), 65W Intel® Core™ i7-6700TE, Quad Core, 8M Cache, 2.4GHz (3.4GHz), 35W Intel® Core™ i5-6500, Quad Core, 6M Cache, 3.2GHz (3.6GHz), 65W Intel® Core™ i5-6500TE, Quad Core, 6M Cache, 2.3GHz (3.3GHz), 35W Intel® Core™ i3-6100, Dual Core, 3M Cache, 3.7GHz, 47W Intel® Core™ i3-6100TE, Dual Core, 4M Cache, 2.7GHz, 35W Intel® Pentium® G4400, Dual Core, 3M Cache, 3.3GHz, 47W Intel® Pentium® G4400TE, Dual Core, 3M Cache, 2.4GHz, 35W Intel® Celeron® Processor G3900, Dual Core, 2M Cache, 2.8GHz, 65W Intel® Celeron® Processor G3900TE, Dual Core, 2M Cache, 2.6GHz, 35W
CHIPSET	Intel® Q170 Chipset
MEMORY	Four 288-pin Non-ECC DIMM up to 64GB Dual Channel DDR4 2133/2400MHz
BIOS	Insyde SPI 128Mbit
STORAGE	Supports 2 x 5.25" drive bays Supports RAID 0/1/5/10
OPTICAL	Optional DVD drive
WATCHDOG TIMER	Programmable via S/W from 1 sec. to 255 sec.
EXPANSION SLOTS	Option 1: 1 x PCIe x16 (Gen 3) Option 2: 1 x PCIe x4 (Gen 2)
POWER SUPPLY OPTIONS	1U Redundant 1U Single Flex ATX
AUDIO	Realtek ALC888S-VD2-GR
ETHERNET	1 x Intel® I211AT PCIe (10/100/1000Mbps) 1 x Intel® I219V PCIe (10/100/1000Mbps)
OPERATING SYSTEMS SUPPORTED	Windows 10 64-bit (Note: 7th Gen CPUs only support Windows 10 64-bit & Linux) Windows 7 32/64-bit Windows 8.1 64-bit Linux
DISPLAY	1 x VGA: resolution up to 1920x1200 @ 60Hz 1 x DVI-I: resolution up to 1920x1200 @ 60Hz 1 x DP++: resolution up to 4096x2160 @ 60Hz
MULTI-DISPLAY OUTPUTS	Supports Triple Display outputs
REAR I/O PORTS	2 x GbE (RJ-45) 1 x RS-232/422/485 (DB-9) 4 x USB 3.0 & 2 x USB 2.0 1 x VGA / 1 x DVI-I (DVI-D signal) / 1 x HDMI 1 x Line-out, 1 x Mic-in

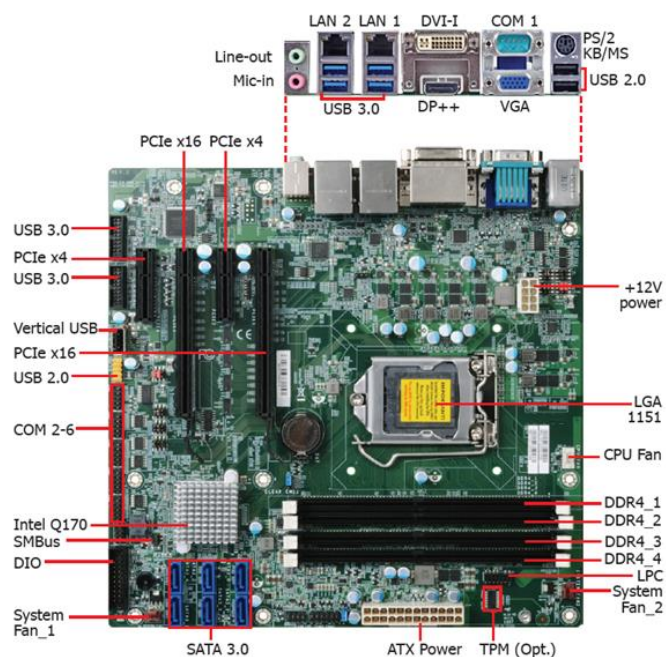
► TECHNICAL INFORMATION (CONTINUED)

OPTIONAL PORT EXPANSION FROM MOTHERBOARD	1 x RS-232/422/485 (RS-232 w/ power) (2.54mm pitch) 4 x RS-232 (2.54mm pitch) 4 x USB 3.0 (2.00mm pitch) 2 x USB 2.0 (2.54mm pitch)
FRONT CHASSIS CONNECTORS	2 x USB
DRIVE BAYS	2 x 5.25" drive bays Supports RAID 0/1/5/10
ENVIRONMENT	Operation Temperature: 0~60 °C Storage Temperature: -20~85 °C Relative Humidity: 5~90%, non-condensing (Dependent on overall system specifications)
VIBRATION	5~7 Hz: 0.5" double amplitude displacement 7~2000 Hz: 1.5g acceleration
MOTHERBOARD MTBF	374,618 hrs @ 25°C; 211,926 hrs @ 45°C; 133,291 hrs @ 60°C Calculation Model: Telcordia Issue 2, Method Case 3 Environment: GB, GC – Ground Benign, Controlled
COOLING	Centre 40mm x 4
COLOUR	Black (all other optional colours are available upon request)
DIMENSIONS:	482.6 (W) x 521 (D) x 44.4 (H); 19" (W) x 19.96" (D) x 1.75" (H)

► MECHANICAL DRAWING



► MOTHERBOARD DETAILS



► Company Address

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