

ICOM187

1U 8th/9th Gen 20" Depth System



ICOM187

PRODUCT HIGHLIGHTS

- ▶ 1U Industrial rackmount system, 20" Depth
- ▶ 1 PCIe or 1 PCI expansion slot
- ▶ Supports Intel® 8th/9th Gen processors
- ▶ Intel® Core™, Pentium®, Celeron® CPUs
- ▶ Intel® Q370 Chipset, RAID 0/1/5/10
- ▶ 4 DDR4 DIMMs up to 128GB
- ▶ 3 Display outputs: VGA, DVI-D, DP++
- ▶ I/O: 2 LAN, 6 COM, 6 USB 3.1, 6 USB 2.0
- ▶ Windows 10 Pro / IoT & Linux
- ▶ CPU Life Cycle Support Until Q2 2033



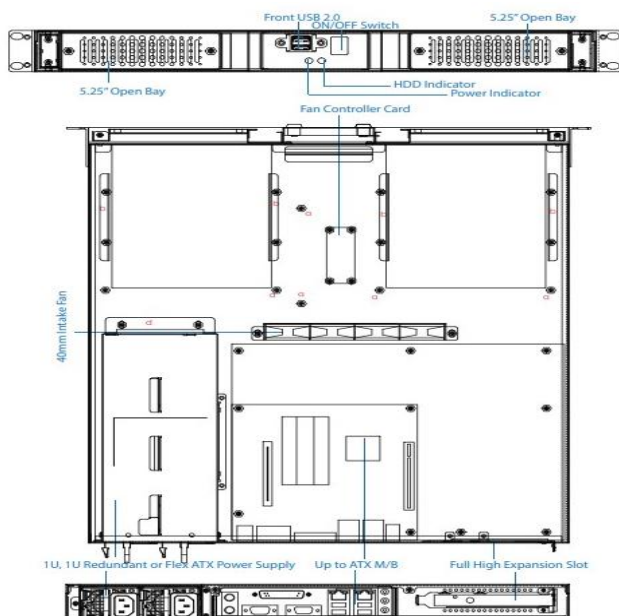
TECHNICAL INFORMATION

PROCESSOR	8th Generation Intel® Core™ /Pentium®/Celeron® LGA 1151 Socket Processors: Intel® Core™ i7-8700 (6 Cores, 12M Cache, up to 4.6 GHz); 65W Intel® Core™ i7-8700T (6 Cores, 12M Cache, up to 4.0 GHz); 35W Intel® Core™ i5-8500 (6 Cores, 9M Cache, up to 4.1 GHz); 65W Intel® Core™ i5-8500T (6 Cores, 9M Cache, up to 3.5 GHz); 35W Intel® Core™ i3-8100 (4 Cores, 6M Cache, 3.6 GHz); 65W Intel® Core™ i3-8100T (4 Cores, 6M Cache, to 3.1 GHz); 35W Intel® Pentium® G5400 (2 Cores, 4M Cache, 3.7 GHz); 58W Intel® Pentium® G5400T (2 Cores, 4M Cache, 3.1 GHz); 35W Intel® Celeron® G4900 (2 Cores, 2M Cache, 3.1 GHz); 54W Intel® Celeron® G4900T (2 Cores, 2M Cache, 2.9 GHz); 35W 9th Generation Intel® Core™ LGA 1151 Socket Processors: Intel® Core™ i7-9700TE (8 Cores, 12M Cache, up to 3.8 GHz); 35W Intel® Core™ i5-9500E (6 Cores, 9M Cache, up to 4.2 GHz); 65W Intel® Core™ i5-9500TE (6 Cores, 9M Cache, up to 3.6 GHz); 35W Intel® Core™ i3-9100E (4 Cores, 6M Cache, 3.7 GHz); 65W Intel® Core™ i3-9100TE (4 Cores, 6M Cache, to 3.2 GHz); 35W
CHIPSET	Intel® Q370 Chipset
MEMORY	Four 288-pin DIMM up to 128GB Dual Channel DDR4 2400/2666 MHz
BIOS	AMI 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) Option 3: 1 x PCI
POWER SUPPLY OPTIONS	1U Redundant 1U Single / Flex ATX
AUDIO	Realtek ALC888S-VD2-GR
ETHERNET	1 x Intel® i219LM PCIe (10/100/1000Mbps) with iAMT 12.0 (only Core i7/i5 supports iAMT) 1 x Intel® i211AT PCIe (10/100/1000Mbps)
OPERATING SYSTEMS SUPPORTED	Windows 10 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 (RS-232 w/power (DB-9) 2 x USB 3.1 Gen 2 / 2 x USB 3.1 Gen 1 / 2 x USB 2.0 1 x PS/2 (mini-DIN-6) 1 x VGA / 1 x DVI-I (DVI-D signal) / 1 x DP++ 1 x Line-out, 1 x Mic-in

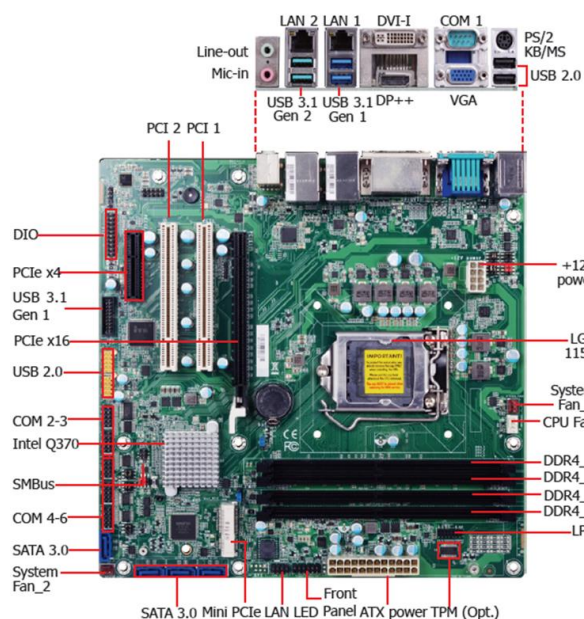
► TECHNICAL INFORMATION (CONTINUED)

OPTIONAL PORT EXPANSION FROM MOTHERBOARD	1 x RS-232/422/485 (RS-232 w/ power) (2.54mm pitch) 4 x RS-232 2 x USB 3.1 Gen 1 (2.00mm pitch) 4 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	535,676 hrs @ 25°C; 352,865 hrs @ 40°C ; 303,603 hrs @ 45°C ; 189,856 hrs @ 60°C Calculation Model: Telcordia Issue 4 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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