

ICOM191

1U 10th Gen 20" Depth System



ICOM191

PRODUCT HIGHLIGHTS

- ▶ 1U Industrial rackmount system, 20" Depth
- ▶ 1 PCIe or PCI expansion slot
- ▶ Supports Intel® 10th Gen processors
- ▶ Intel® Core™, Pentium®, Celeron® CPUs
- ▶ Intel® Q470E Chipset, RAID 0/1/5/10
- ▶ 4 DDR4 UDIMMs up to 128GB
- ▶ 3 Display outputs: VGA, HDMI & DP++
- ▶ I/O: 2 LAN, 6 COM, 6 USB 3.2, 7 USB 2.0
- ▶ Windows 10 Pro / IoT & Linux
- ▶ CPU Life Cycle Support Until Q2 2034



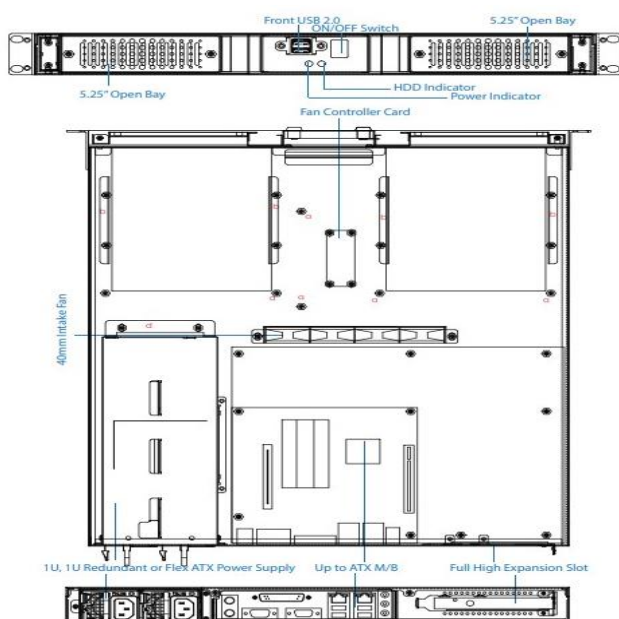
TECHNICAL INFORMATION

PROCESSOR	10th Generation Intel® LGA 1200 Socket Processors, TDP support up to 125W Intel® Core™ i9-10900E (10 Cores, 20M Cache, up to 4.7 GHz); 65W Intel® Core™ i9-10900TE (10 Cores, 20M Cache, up to 4.5 GHz); 35W Intel® Core™ i7-10700E (8 Cores, 16M Cache, up to 4.5 GHz); 65W Intel® Core™ i7-10700TE (8 Cores, 16M Cache, up to 4.4 GHz); 35W Intel® Core™ i5-10500E (6 Cores, 12M Cache, up to 4.2 GHz); 65W Intel® Core™ i5-10500TE (6 Cores, 12M Cache, up to 3.7 GHz); 35W Intel® Core™ i3-10100E (4 Cores, 6M Cache, 3.8 GHz); 65W Intel® Core™ i3-10100TE (4 Cores, 6M Cache, to 3.6 GHz); 35W Intel® Pentium® G6400E (2 Cores, 4M Cache, 3.8 GHz); 58W Intel® Pentium® G6400TE (2 Cores, 4M Cache, 3.2 GHz); 35W Intel® Celeron® G5900E (2 Cores, 2M Cache, 3.2 GHz); 58W Intel® Celeron® G5900TE (2 Cores, 2M Cache, 3.0 GHz); 35W
CHIPSET	Intel® Q470E Chipset
MEMORY	Four 288-pin up to 128GB Dual Channel DDR4 2400/2666/2933MHz
BIOS	Insyde SPI 256Mbit
STORAGE	Supports 2 x 5.25" drive bays Supports RAID 0/1/5/10 Motherboard supports: Up to 2 x M.2 2242/2260/2280 M key (PCIe Gen3 x4 NVMe/SATA/Intel® Optane Memory support, one port shared with PCIe x4 slot as option, MOQ required) 1 x M.2 E 2230 Key (PCIe Gen3 x2/USB 2.0)
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 3) Option 3: 1 x PCI
POWER SUPPLY OPTIONS	1U Redundant 1U Single / Flex ATX
AUDIO	Realtek ALC888
ETHERNET	1 x Intel® I211AT PCIe (10/100/1000Mbps) 1 x Intel® I219LM/I219V with iAMT12.0 (10/100/1000Mbps)
OPERATING SYSTEMS SUPPORTED	Windows 10 Pro 64-bit Windows 10 IoT Enterprise 64-bit Linux Ubuntu 20.04
DISPLAY	1 x VGA, VGA: resolution up to 1920x1200 @ 60Hz 1 x DP++, DP++: resolution up to 4096x2160 @ 60Hz 1 x HDMI 1.4b, HDMI: resolution up to 4096x2160 @ 24Hz
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 3.2 Gen 2 & 2 x USB 3.2 Gen 1 & 2 x USB 2.0 1 x PS/2 (mini-DIN-6) 1 x VGA, 1 x DP++ & 1 HDMI 1 x Line-out, 1 x Mic-in, 1 x Line-in (opt., MOQ required)

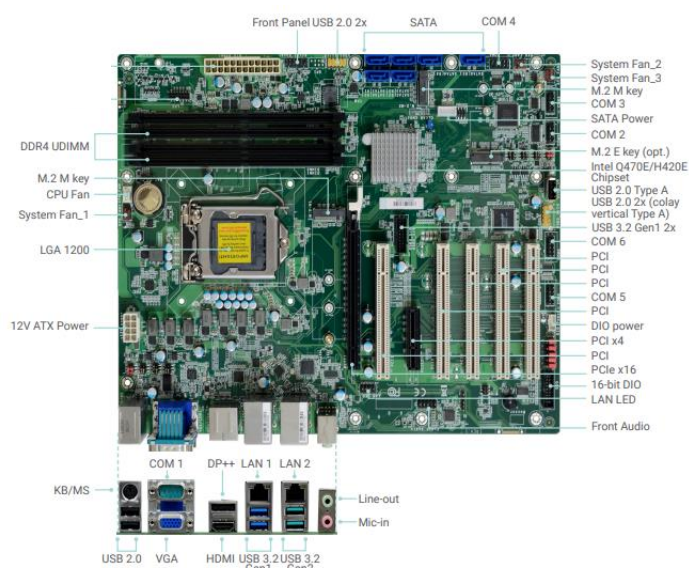
► TECHNICAL INFORMATION (CONTINUED)

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) 2 x USB 3.2 Gen 1 4 x USB 2.0 (2.54mm pitch, Colay vertical Type A, opt.: MOQ required) 1 x USB 2.0 vertical Type A
FRONT CHASSIS CONNECTORS	2 x USB
DRIVE BAYS	2 x 5.25" drive bays
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	504,168 hrs @ 25°C ; 278,849 hrs @ 45°C ; 172,277 hrs @ 60°C ; 146,454 hrs @ 65°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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