

ICOM1207

1U 10th Gen Short Depth System



ICOM1207

PRODUCT HIGHLIGHTS

- ▶ 1U Industrial rackmount system, 15" Depth
- ▶ 1 PCIe or PCI expansion slot
- ▶ Supports Intel® 10th Gen processors
- ▶ Intel® Core™, Pentium®, Celeron® CPUs
- ▶ Intel® H420E Chipset
- ▶ 2 DDR4 DIMMs up to 64GB
- ▶ 2 Display outputs: VGA, HDMI & DP++
- ▶ I/O: 2 LAN, 3 COM, 4 USB 3.2, 2 USB 2.0
- ▶ CPU Life Cycle Support Until Q2 2034



Above picture shows 4 stack optional USB 3.1 Ports

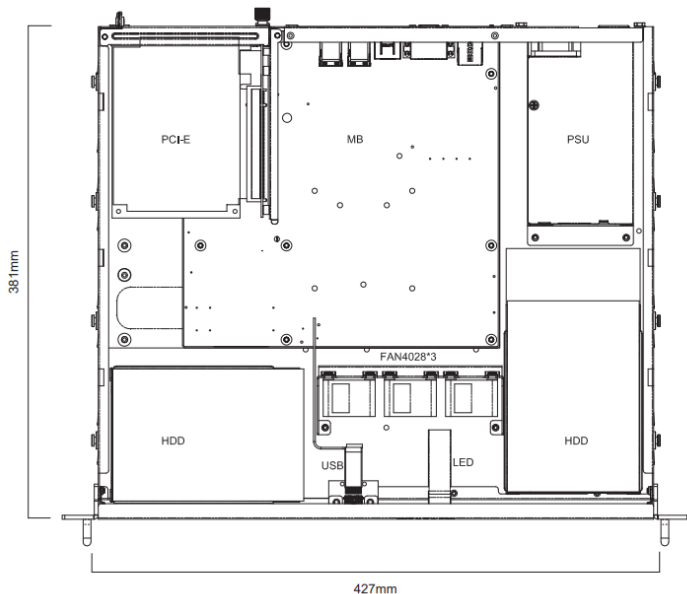
TECHNICAL INFORMATION

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® H420E Chipset
MEMORY	Two 288-pin Non-ECC UDIMM up to 64GB Dual Channel DDR4 2400/2666/2933MHz
BIOS	Insyde SPI 256Mbit
STORAGE	Supports 1 x 3.5" and 2 x 2.5" drive bays Motherboard supports: 4 x SATA 3.0 (up to 6Gb/s)
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 Single / Flex ATX AC or DC options
AUDIO	Realtek ALC888
ETHERNET	1 x Intel® I211AT PCIe (10/100/1000Mbps) 1 x Intel® I219LM PHY with iAMT12.0 (10/100/1000Mbps)
OPERATING SYSTEMS SUPPORTED	Windows 10 IoT Enterprise 64-bit Linux
DISPLAY	1 x VGA : VGA: resolution up to 1920x1200 @ 60Hz 1 x DP++ : DP++: resolution up to 4096x2160 @ 60Hz 1 x HDMI 1.4b : resolution up to 4096x2160 @ 24Hz
MULTI-DISPLAY OUTPUTS	Supports Dual Display outputs: VGA + DP++ / VGA + HDMI / DP++ + HDMI
REAR I/O PORTS	2 x GbE (RJ-45) 1 x RS-232/422/485 (RS-232 w/ power) (DB-9) 4 x USB 3.2 Gen1 2 x USB 2.0 1 x PS/2 (mini-DIN-6) 1 x VGA, 1 x DP++, 1 x HDMI 1 x Line-out 1 x Mic-in

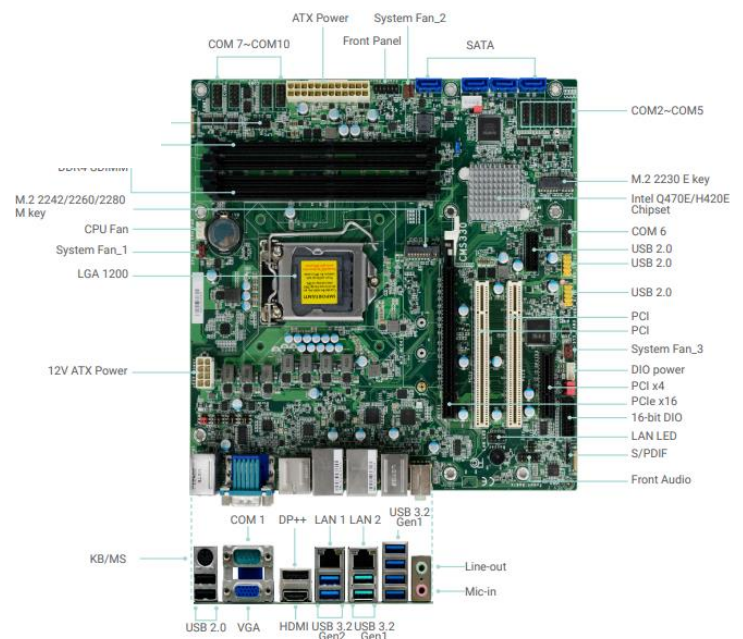
TECHNICAL INFORMATION (CONTINUED)

OPTIONAL PORT EXPANSION FROM MOTHERBOARD	2 x RS-232 4 x USB 2.0
FRONT CHASSIS CONNECTORS	2 x USB 3.0
DRIVE BAYS	1 x Slimline 5.25" drive bay 1 x 3.5" drive bay 2 x 2.5" drive bays
ENVIRONMENT	Operating: 0 to 60°C Storage: -40 to 85°C without RTC Battery; -30 to 60°C with RTC Battery Operating: 5 to 90% RH Storage: 5 to 90% RH
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	Up to 3 x 40mm fans
COLOUR	Black (all other optional colours are available upon request)
DIMENSIONS:	482.6 (W) x 381 (D) x 44.4 (H); 19" (W) x 15" (D) x 1.75" (H)

MECHANICAL DRAWING



MOTHERBOARD DETAILS



Above picture shows 4 stack optional USB 3.1 Ports

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