

ICOM1206

1U 8/9th Gen Short Depth System



ICOM1206

PRODUCT HIGHLIGHTS

- ▶ 1U Industrial rackmount system, 15" Depth
- ▶ 1 PCIe expansion slot
- ▶ Supports Intel® 8/9th Gen processors
- ▶ Intel® Xeon®, Core™, Pentium®, Celeron® CPUs
- ▶ Intel® C246 Chipset
- ▶ 4 DDR4 ECC/Non-ECC DIMMs up to 128GB
- ▶ 3 Display outputs: VGA, DVI & DP++
- ▶ I/O: 2 LAN, 1 COM, 4 USB 3.1, 2 USB 2.0
- ▶ CPU Life Cycle Support Until Q3 2033



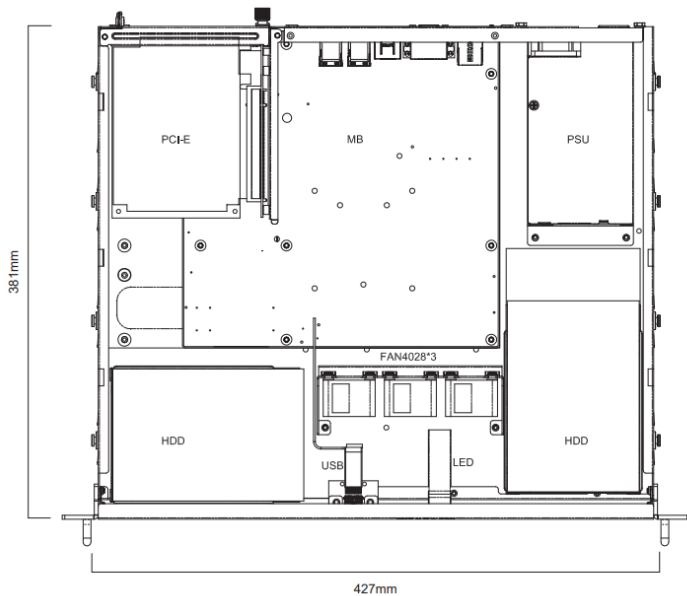
TECHNICAL INFORMATION

PROCESSOR	8th Generation Intel® Core™ /Pentium®/Celeron® LGA 1151 Socket Processors: Intel® Xeon® E-2176G (6 Cores, 12M Cache, up to 4.7 GHz); 80W Intel® Xeon® E-2124G (4 Cores, 8M Cache, up to 4.5 GHz); 71W Intel® Core™ i7-8700K (6 Cores, 12M Cache, up to 4.7 GHz); 95W (Non-LTS) 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® Xeon® E-2278GEL (8 Cores, 16M Cache, up to 3.9 GHz); 35W Intel® Xeon® E-2226GE (6 Cores, 12M Cache, up to 4.6 GHz); 80W 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® C246 Chipset
MEMORY	Four 288-pin DIMM up to 128GB, Dual Channel DDR4 2400/2666 MHz (ECC/non ECC)
BIOS	AMI SPI 128Mbit
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)
POWER SUPPLY OPTIONS	1U Single / Flex ATX AC or DC options
AUDIO	Realtek ALC888
ETHERNET	1 x Intel® i219LM PCIe (10/100/1000Mbps) with iAMT 12.0 (only Xeon, Core i7/i5 supports iAMT); 1 x Intel® i211AT PCIe (10/100/1000Mbps)
OPERATING SYSTEMS SUPPORTED	Windows 10 IoT Enterprise 64-bit & Linux
DISPLAY	1 x VGA: resolution up to 1920x1200 @ 60Hz 1 x DVI-I (DVI-D signal): resolution up to 1920x1200 @ 60Hz 1 x DP++: resolution up to 4096x2160 @ 60Hz
MULTI-DISPLAY OUTPUTS	Supports Triple Display outputs: VGA + DVI-D + DP++
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 USB3.1 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, 1 x Line-in (opt.)

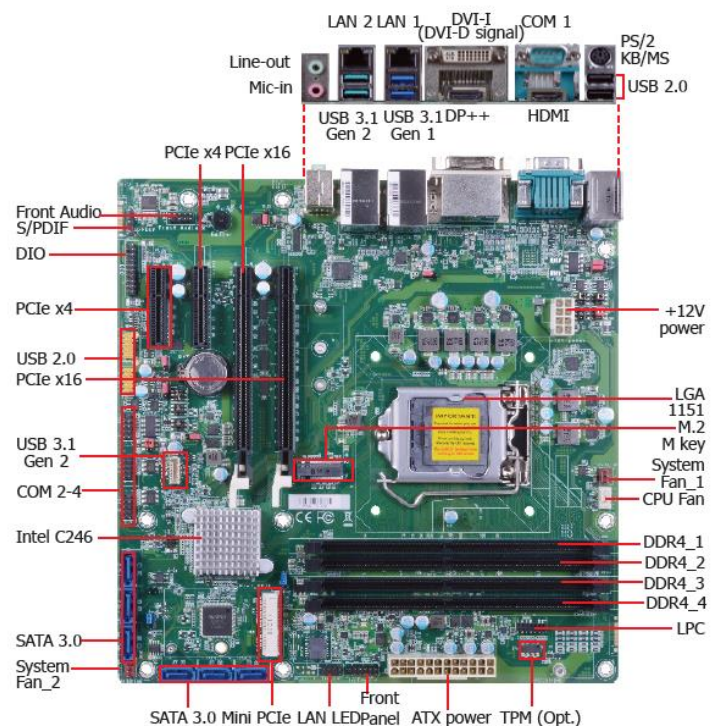
TECHNICAL INFORMATION (CONTINUED)

OPTIONAL PORT EXPANSION FROM MOTHERBOARD	1 x RS-232/422/485 (RS-232 w/ power) (2.54mm pitch) 2 x RS-232 2 x USB 3.1 Gen 1 (2.00mm pitch) or 2 x USB 2.0 (2.54mm pitch)
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	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	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



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