

ICOMC42

Commercial mATX Tower/Desktop 8th/9th Gen System



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PRODUCT HIGHLIGHTS

- ▶ Commercial Tower/Desktop mATX motherboard system
- ▶ Motherboard Life Cycle Support Until Q2' 33
- ▶ Industrial motherboard based solution
- ▶ Supports Intel 8th/9th Gen processors with Intel® H310 chipset
- ▶ 2 DDR4 DIMM up to 64GB
- ▶ Expansion for 1 PCIe x16, 1 PCIe x4, 2 PCI
- ▶ 2 independent displays: VGA, DVI-D, DP++
- ▶ Rich I/O: 2 Intel GbE, 6 COM, 4 USB 3.1, 6 USB 2.0
- ▶ 92mm ball-bearing fan for optimised cooling



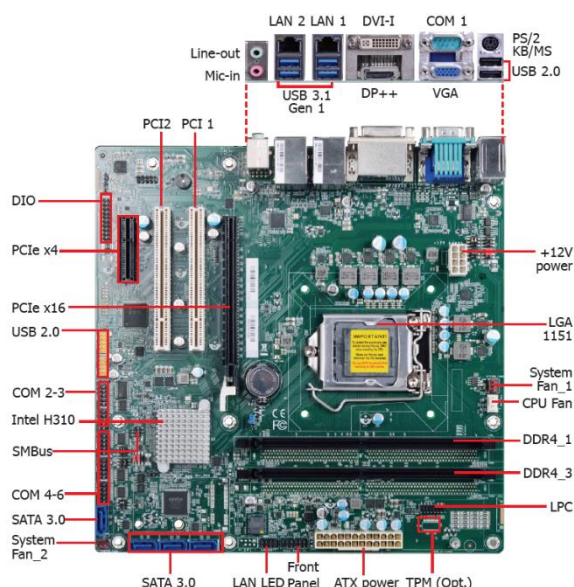
TECHNICAL INFORMATION

PROCESSOR	8th Generation Intel® Core™ /Pentium®/Celeron® LGA 1151 Socket Processors: 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® 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® H310 Chipset
MEMORY	Two 288-pin DIMM up to 64GB Dual Channel DDR4 2400/2666 MHz
BIOS	Insyde SPI 128Mbit
STORAGE	2x external 5.25" & 1x internal 3.5" drive bays 2x internal 3.5" & 1x internal 2.5" drive bays Supports 4 x SATA 3.0 Optional removable hard disk drives or solid state disks
OPTICAL	DVD±RW (±R DL) / DVD-RAM drive (optional)
WATCHDOG TIMER	Programmable via S/W from 1 sec. to 255 sec.
EXPANSION SLOTS	1 x PCIe x16 (Gen 3) 1 x PCIe x4 (Gen 2) 2 x PCI
POWER SUPPLY	PS2 ATX power supply from 400w
AUDIO	Realtek ALC888S
ETHERNET	1 x Intel® I211AT PCIe (10/100/1000Mbps) 1 x Intel® I219V PCIe (10/100/1000Mbps)
OPERATING SYSTEMS SUPPORTED	Windows 10 Pro 64-bit Windows 10 IoT Enterprise 64-bit

► TECHNICAL INFORMATION (CONTINUED)

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 4096x2304 @ 60Hz
MULTI-DISPLAY OUTPUTS	Supports Dual Displays: VGA + DVI-D / VGA + DP++ / DP++ + DVI-D
REAR I/O PORTS	2 x GbE (RJ-45) 1 x RS-232/422/485 (RS-232 w/power (DB-9) 4 x USB 3.1 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.) (MOQ required)
OPTIONAL PORT EXPANSION FROM MOTHERBOARD	1 x RS-232/422/485 (RS-232 w/ power) (2.54mm pitch) 4 x RS-232 4 x USB 2.0 (2.54mm pitch)
FRONT CHASSIS CONNECTORS	Audio 2 x USB ports
DRIVE BAYS	1x external 5.25" & 2x internal 3.5" drive bays
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
ENVIRONMENT	Operating: 0 to 60°C Storage: -30 to 60°C with RTC battery; -40 to 85°C without RTC battery
COOLING	1 x 92 mm rear exhaust fan 1 x 92 mm front intake fan (optional)
COLOUR	Black
DIMENSIONS:	365 x 173 x 393 mm (14.4 x 6.8 x 15.5 inches) (H/W/D)

► MOTHERBOARD DETAILS



► Company Address

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