

ICOM2504

Industrial 2U Rackmount 6th/7th Gen system



ICOM2504

PRODUCT HIGHLIGHTS

- ▶ 2U 19" rackmount, motherboard system
- ▶ Intel 6th/7th Gen Intel® Core™ with Intel® H110
- ▶ 2 DDR4 DIMM up to 32GB
- ▶ Multiple LP expansion: 4 PCI
- ▶ 3 independent displays: VGA + DVI-I + DP++
- ▶ Rich I/O: 2 Intel GbE, 6 COM, 4 USB 3.0, 6 USB 2.0
- ▶ Two hot-swappable system fans
- ▶ 15-Year CPU Life Cycle Support Until Q2 2025



TECHNICAL INFORMATION

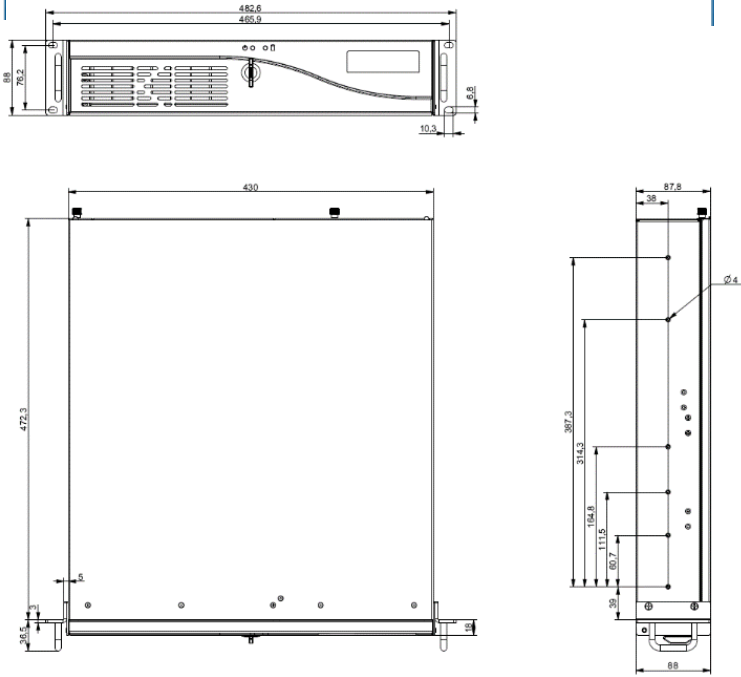
PROCESSOR	7th Gen Intel® Core™/Pentium®/Celeron® LGA 1151 Processors TDP up to 95W: Intel® Core™ i7-7700K (4 Cores, 8M Cache, up to 4.5 GHz); 91W (Non-LTS) Intel® Core™ i7-7700 (4 Cores, 8M Cache, up to 4.2 GHz); 65W Intel® Core™ i7-7700T (4 Cores, 8M Cache, up to 3.8 GHz); 35W Intel® Core™ i5-7500 (4 Cores, 6M Cache, up to 3.8 GHz); 65W Intel® Core™ i5-7500T (4 Cores, 6M Cache, up to 3.3 GHz); 35W Intel® Core™ i3-7101E (2 Cores, 3M Cache, 3.9 GHz); 65W Intel® Core™ i3-7101TE (2 Cores, 3M Cache, to 3.4 GHz); 35W 6th Gen Intel® Core™/Pentium®/Celeron® LGA 1151 Processors TDP up to 95W: Intel® Core™ i7-6700K (Cores, 8M Cache, up to 4.2 GHz); 91W (Non-LTS) Intel® Core™ i7-6700 (4 Cores, 8M Cache, up to 4.0 GHz); 65W Intel® Core™ i7-6700TE (4 Cores, 8M Cache, up to 3.4 GHz); 35W Intel® Core™ i5-6500 (4 Cores, 6M Cache, up to 3.6 GHz); 65W Intel® Core™ i5-6500TE (4 Cores, 6M Cache, up to 3.3 GHz); 35W Intel® Core™ i3-6101E (2 Cores, 4M Cache, 3.7 GHz); 65W Intel® Core™ i3-6101TE (2 Cores, 4M Cache, to 2.7 GHz); 35W Intel® Pentium® G4400 (2 Cores, 3M Cache, 3.3 GHz); 65W Intel® Pentium® G400TE (2 Cores, 3M Cache, 2.9 GHz); 35W Intel® Celeron® G3900 (2 Cores, 2M Cache, 2.8 GHz); 65W Intel® Celeron® G3900TE (2 Cores, 2M Cache, 2.6 GHz); 35W
CHIPSET	Intel® H110 Chipset
MEMORY	Two 288-pin Non-ECC DIMM up to 32GB Dual Channel DDR4 2133/2400MHz
BIOS	Insyde SPI 128Mbit
STORAGE	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	System configuration supports 4 PCI Low Profile expansion slots Motherboard expansion slots: 4 x PCI
POWER SUPPLY OPTIONS	400W ~ 600W 90~250VAC DC 12~48V Redundant Power Supplies
AUDIO	Realtek ALC888S-VD2-GR
ETHERNET	1 x Intel® I211AT PCIe (10/100/1000Mbps) 1 x Intel® I219V PCIe
OPERATING SYSTEMS SUPPORTED	Windows 10 64-bit Windows 7 32/64-bit Windows 8.1 64-bit Linux (Note: 7 th Gen CPUs only support Windows 10 64-bit & Linux)

► TECHNICAL INFORMATION (CONTINUED)

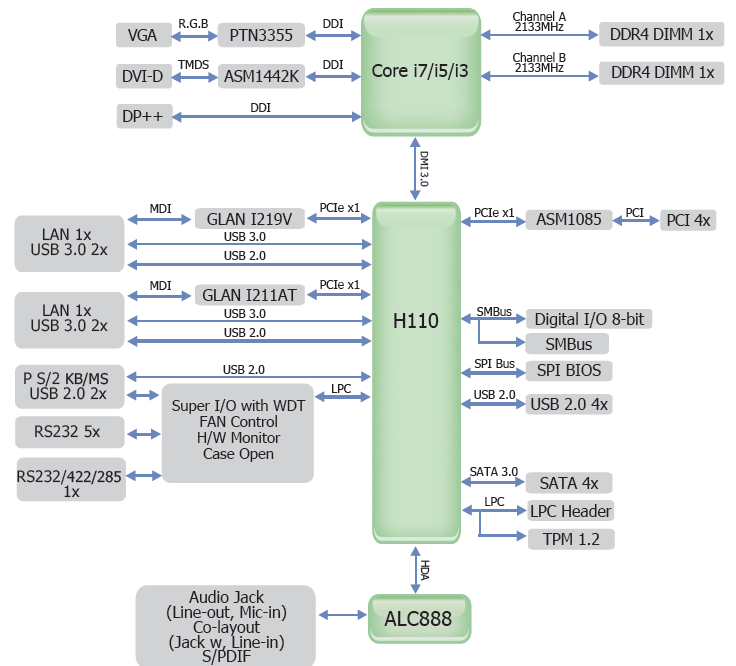
DISPLAY	1 x VGA 1 x DVI-I (DVI-D signal) 1 x DP++ VGA: resolution up to 1920x1200 @ 60Hz DVI-D: resolution up to 1920x1200 @ 60Hz DP++: resolution up to 4096x2160 @ 60Hz
MULTI-DISPLAY OUTPUTS	Support Triple Displays: VGA + DVI-I (DVI-D signal) + DP++
REAR I/O PORTS	2 x GbE (RJ-45) 1 x RS-232/422/485 (RS-232 w/power (DB-9) 4 x USB 3.0 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 (default), 4 x RS-232 (available upon request – MOQ required) 4 x USB 2.0 (2.54mm pitch)
FRONT CHASSIS CONNECTORS	2 x USB
DRIVE BAYS	1x external 3.5" drive bay for 3.5" or 2.5" drives 1x 5.25" Drive Bay
MOTHERBOARD MTBF	527,696 hrs @ 25°C; 296,924 hrs @ 45°C ; 184,794 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
	Relative Humidity: 5~85%, non-condensing*
	Vibration: 15 G 11 ms duration Non-operating: 30 G 11 ms duration*
COOLING	2x removable 7cm ball-bearing fans
COLOUR	Black (all other optional colours are available upon request)
DIMENSIONS	482 (W) x 490 (D) x 88 (H); 19" (W) x 19.29 (D) x 3.46" (H)

*Dependent on configuration

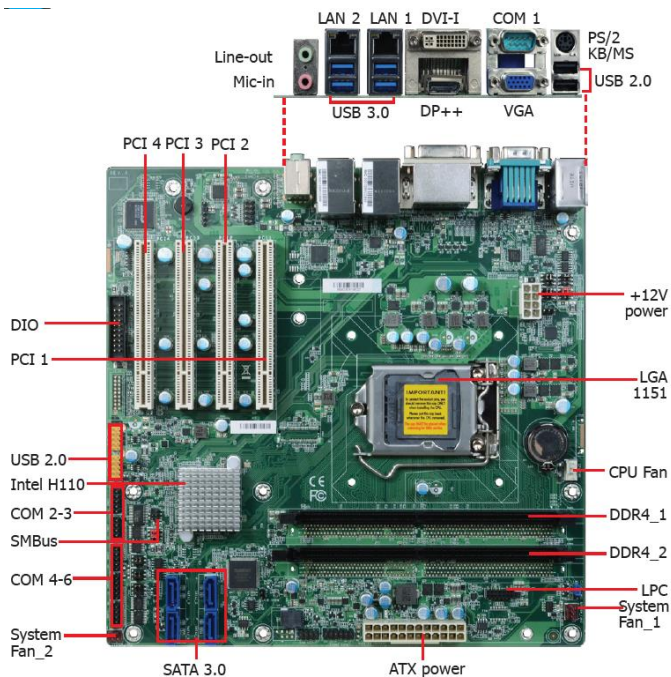
MECHANICAL DRAWING



BLOCK DIAGRAM



MOTHERBOARD LAYOUT



OTHER PICTURES

Front view with door open



Front view with door closed



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