

ICOM468

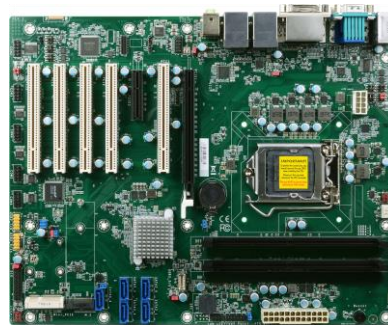
Industrial 4U Rackmount 8/9th Gen System



ICOM468

PRODUCT HIGHLIGHTS

- ▶ 4U 19" 13.7" Shallow depth Rackmount system
- ▶ Life Cycle Support Until Q1' 33
- ▶ Industrial motherboard based solution, Intel® H310 Chipset
- ▶ Supports Intel® 8th/9th Generation Core™ / Pentium® / Celeron LGA 1151 Socket Processors
- ▶ 2 DDR4 DIMM up to 64GB
- ▶ Expansion for 1 PCIe x16, 1 PCIe x4, 5 PCI
- ▶ Rich I/O: 2 Intel GbE, 6 COM, 4 USB 3.1 Gen 1, 6 USB 2.0
- ▶ Front to back cooling with three system fans



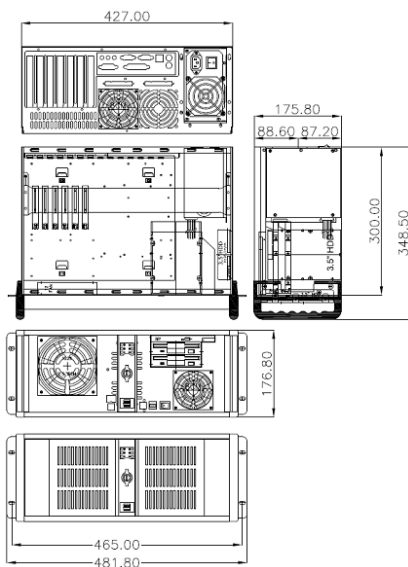
TECHNICAL INFORMATION

PROCESSOR	8th Generation Intel® Core™ /Pentium®/Celeron® LGA 1151 Processors: Intel® Core™ i7-8700K (6 Cores, 12M Cache, up to 4.7 GHz); 95W 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 2400/2666MHz
BIOS	SPI 128Mbit
STORAGE	Supports 1x Slimline 5.25" drive bay & 3x 3.5" drive bays Supports 4 x SATA3.0 Optional removable hard disk drives or solid state disks
OPTICAL	Optional Slimline DVD±RW (±R DL) / DVD-RAM drive
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) 5 x PCI
POWER SUPPLY OPTIONS	400W ~ 600W 90~250VAC
AUDIO	Realtek ALC888S-VD2-GR
ETHERNET	1 x Intel® I211AT PCIe (10/100/1000Mbps) 1 x Intel® I219V LAN Phy (10/100/1000Mbps)
OPERATING SYSTEMS SUPPORTED	Windows 10 Pro 64-bit 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 Displays: VGA + DVI-I (DVI-D signal) + HDMI

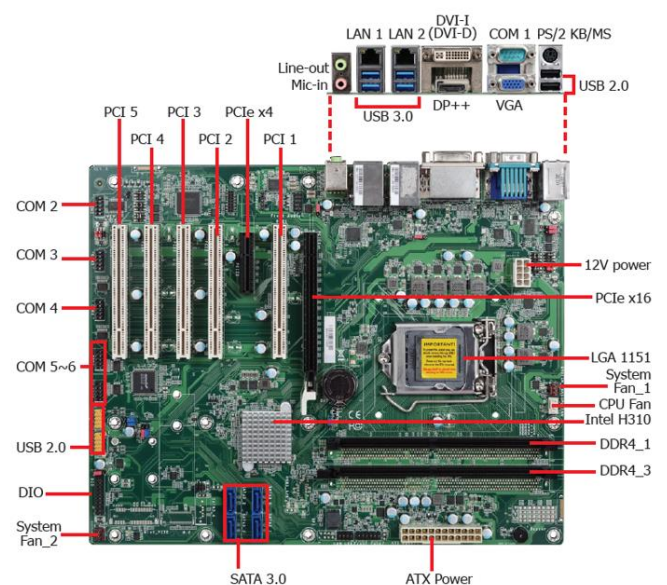
TECHNICAL INFORMATION (CONTINUED)

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 (Gen1) 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 9RS-232 w/power) (2.54mm pitch) 4 x RS-232 (2.54mm pitch) 4 x USB 2.0
FRONT CHASSIS CONNECTORS	2 x USB
DRIVE BAYS	1x Slimline 5.25" drive bay 2x 3.5" external & 1 x 3.5" internal drive bays
MOTHERBOARD MTBF	551,561 hrs @ 25°C; 313,962 hrs @ 45°C ; 196,617 hrs @ 60°C Calculation Model: Telcordia Issue 4 Environment: GB, GC - Ground Benign, Controlled
ENVIRONMENT	Operation Temperature: 0 °C to +50 °C continuous operation Storage Temperature: -20 °C to +70 °C Humidity: 10 % to 93 % @40 °C, non-condensing (Dependent on overall system specification)
VIBRATION	Operating: 10-150 Hz: 1G/3 axis Non-operating: 10-150 Hz: 2G/3 axis
COOLING	Removable air filter 2x80mm & 1x120mm
COLOUR	Black (all other optional colours are available upon request)
DIMENSIONS:	482.6 x 177.8 x 348.0 mm / 19.00" x 7.00" x 13.70" (W x H x D)

MECHANICAL DRAWING



MOTHERBOARD DETAILS



Company Address

Kontron UK Limited
 Units 3, 4, 5, 9 & 10 New Bury Park
 Marsh Lane, Easthampnett, UK
 TEL: +44 (0) 1243 380780
uksales@kontron.com
www.industrial-computers.com