



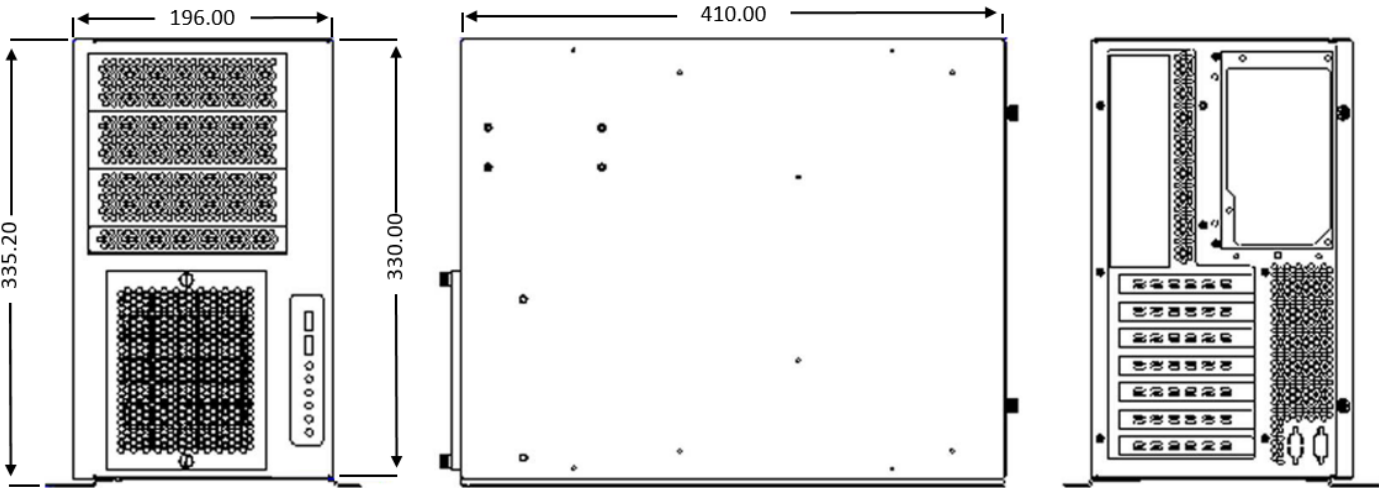
Industrial Wallmount/Desktop 10th Gen Q470E chipset system

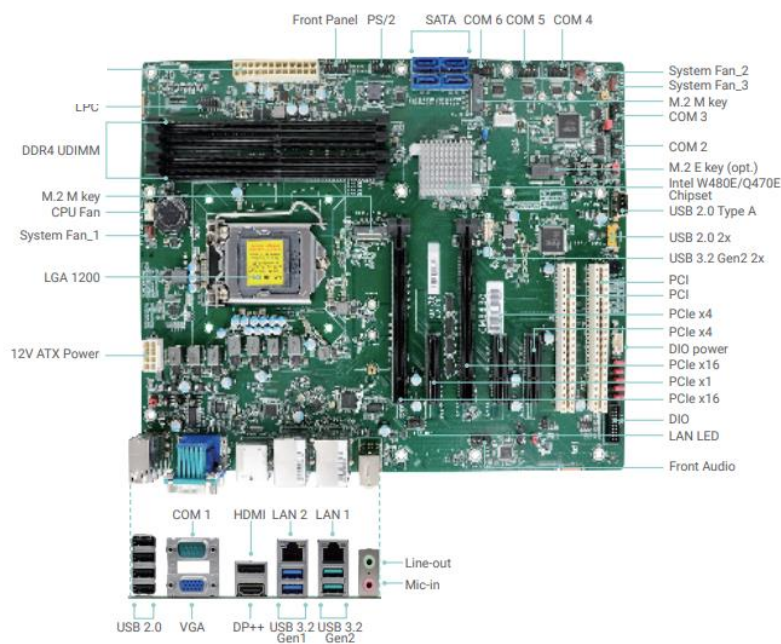
- Wallmount/Desktop ATX motherboard system
- Supports Intel® 10th Gen processors
- 2 PCIe x16, 3 PCIe x4 & 2 PCI expansion slots
- Intel® Core™, Pentium® / Celeron® CPUs
- Intel® Q470E Chipset
- 4 DDR4 Non-ECC DIMM up to 128GB
- VGA, DP++ and HDMI triple outputs
- I/O: 2 LAN, 4 USB 3.2, 1 COM, 4 USB 2.0,
- Life Cycle Support Until Q2' 34

PROCESSORS	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® Q470E Chipset
MEMORY	Four 288-pin Non-ECC UDIMM up to 128GB (Core™ i5/i7 only support non-ECC) Dual Channel DDR4 2400/2666/2933MHz
BIOS	Insyde SPI 128Mbit
STORAGE	Supports 3x external 5.25", 2x internal 2.5" drive mounts Supports RAID 0, 1, 5, 10 1 x M.2 2242/2260/2280 M key (PCIe Gen3 x4 NVMe/SATA/Intel® Optane Memory and intel RST support) 1 x M.2 2242/2260/2280 M key (PCIe Gen3 x4 NVMe/Intel® Optane Memory and intel RST support)
OPTICAL	Optional DVD drive
WATCHDOG TIMER	System Reset, Programmable via S/W from 1 sec. to 255 sec.
EXPANSION SLOTS	2 x PCIe x16 (Gen 3) (1 x16 signal or 2 x8 signal) 3 x PCIe x4 (Gen 3) (2 x4 signal and 1 x1 signal) 2 x PCI 1 x M.2 2242/2260/2280 M key (PCIe Gen3 x4 NVMe/SATA/Intel® Optane Memory and intel RST support) 1 x M.2 2242/2260/2280 M key (PCIe Gen3 x4 NVMe/Intel® Optane Memory and intel RST support)
POWER SUPPLY OPTIONS	400W ~ 600W 90~250VAC DC 12~48V Redundant Power Supplies
AUDIO	Realtek ALC888
ETHERNET	1 x Intel® I211AT PCIe (10/100/1000Mbps) 1 x Intel® I219LM PHY with iAMT12.0 (10/100/1000Mbps) (only Core i9/ i7/i5 supports iAMT)
OPERATING SYSTEMS SUPPORTED	Windows 10 IoT Enterprise 64-bit Windows 11 Pro 64-bit (TPM or fTPM motherboard version) Windows 11 IoT (TPM or fTPM motherboard version) Linux
DISPLAY	1 x VGA, resolution up to 1920x1200 @ 60Hz 1 x DP++, resolution up to 4096x2160 @ 60Hz 1 x HDMI 1.4b, resolution up to 4096x2160 @ 24Hz
MULTI-DISPLAY OUTPUTS	Supports independent triple displays: VGA + DP++ + HDMI
REAR I/O PORTS	2 x GbE (RJ-45) 1 x RS-232/422/485 (RS-232 w/ power) (DB-9) 2 x USB 3.2 Gen2 2 x USB 3.2 Gen1 4 x USB 2.0 1 x VGA 1 x DP++ 1 x HDMI 1 x Line-out, 1 x Mic-in
OPTIONAL PORT EXPANSION FROM MOTHERBOARD	1 x RS-232/422/485 (RS-232 w/ power) (2.54mm pitch) 4 x RS-232 (2.54mm pitch) 2 x USB 3.2 Gen 2 (Key B 20-pin) 2 x USB 2.0 (2.54mm pitch, Colay vertical Type A, opt.: MOQ required) 1 x USB 2.0 Vertical Type A
FRONT CHASSIS CONNECTORS	2 x USB 3.0

DRIVE BAYS	3 x external 5.25" 2 x internal 2.5"
MOTHERBOARD MTBF	492,929 hrs @ 25°C ; 274,924 hrs @ 45°C ; 171,243 hrs @ 60°C Calculation Model: Telcordia Issue 4 Environment: GB, GC - Ground Benign, Controlled
ENVIRONMENT	Operating: -5 to 65°C Storage: -30 to 60°C with RTC Battery; -40 to 85°C without RTC Battery Operating: 5 to 95% RH Storage: 5 to 95% RH (Dependent on overall system specification)
COOLING	12cm ball-bearing fan with replaceable filter
COLOUR	Dark grey / Black (all other optional colours are available upon request)
DIMENSIONS:	330 x 410 x 196 mm

Dimensions





Other images



Standard Services



Integrated Components



Revision Controlled



Fully Tested & Documented



Software Installed



Full Traceability



ISO Certified



OEM Customisation