



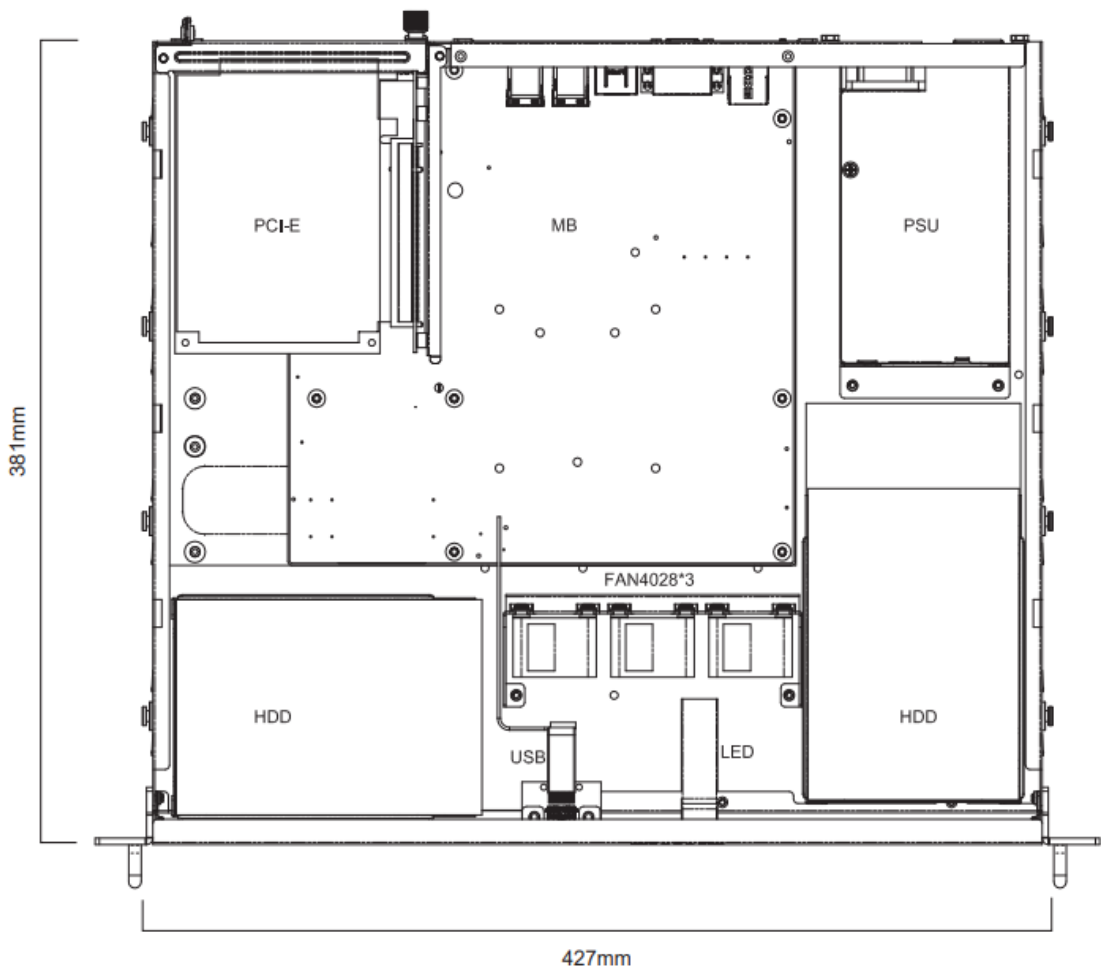
Short Depth 1U 19" Rackmount Computer with Versatile Expansion Capabilities

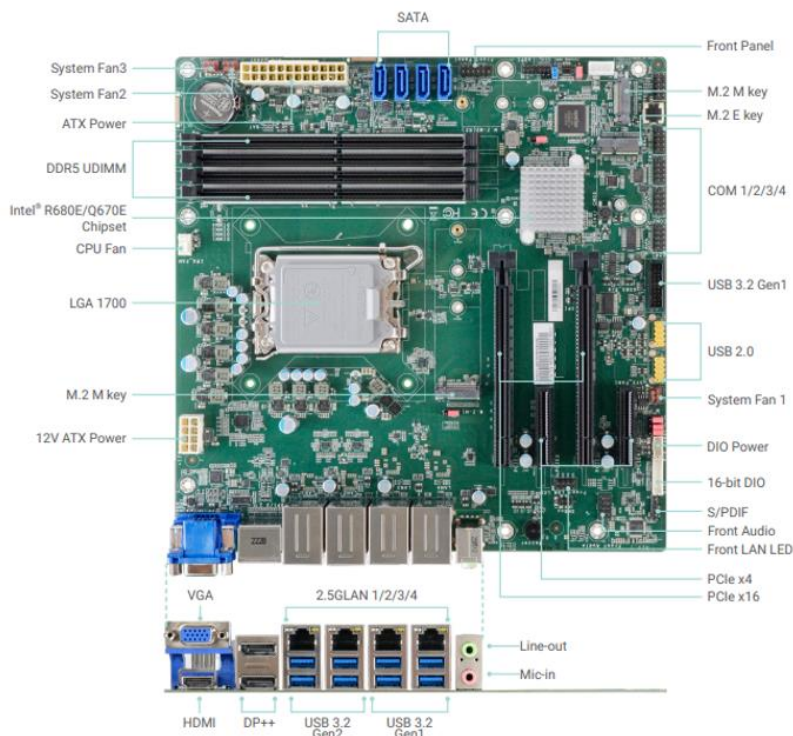
- 1U Industrial rackmount system, 15" Depth
- Supports Intel® 12/13/14th Gen processors
- 1 PCIe expansion slot
- Intel® Core™, Pentium® / Celeron® CPUs
- Intel® R680E Chipset
- 4 DDR5 ECC/Non-ECC DIMM up to 128GB
- 4 independent displays supported
- I/O: 2 LAN, 8 USB 3.2
- CPU Life Cycle Support Until Q1 2038

PROCESSORS	14th Generation Intel® LGA 1700 Socket Processors, TDP support up to 125W Intel® Core™ i9-14900 (24 Cores, 36M Cache, up to 2.0 GHz); 65W Intel® Core™ i9-14900T (24 Cores, 36M Cache, up to 1.1 GHz); 35W Intel® Core™ i7-14700 (20 Cores, 33M Cache, up to 2.1 GHz); 65W Intel® Core™ i7-14700T (20 Cores, 33M Cache, up to 1.3 GHz); 35W Intel® Core™ i5-14500 (14 Cores, 24M Cache, up to 2.6 GHz); 65W Intel® Core™ i5-14500T (14 Cores, 24M Cache, up to 1.7 GHz); 35W Intel® Core™ i3-14100 (4 Cores, 12M Cache, up to 3.5 GHz); 60W Intel® Core™ i3-14100T (4 Cores, 12M Cache, up to 2.7 GHz); 35W Intel® 300T (2 Cores, 6M Cache, up to 3.4 GHz); 35W 13th Generation Intel® LGA 1700 Socket Processors, TDP support up to 125W Intel® Core™ i9-13900E (24 Cores, 36M Cache, up to 5.2 GHz); 65W Intel® Core™ i9-13900TE (24 Cores, 36M Cache, up to 5.0 GHz); 35W Intel® Core™ i7-13700E (16 Cores, 30M Cache, up to 5.1 GHz); 65W Intel® Core™ i7-13700TE (16 Cores, 30M Cache, up to 4.8 GHz); 35W Intel® Core™ i7-13700T (16 Cores, 30M Cache, up to 4.9 GHz); 35W Intel® Core™ i5-13500E (14 Cores, 24M Cache, up to 4.6 GHz); 65W Intel® Core™ i5-13500TE (14 Cores, 24M Cache, up to 4.5 GHz); 35W Intel® Core™ i5-13500T (14 Cores, 24M Cache, up to 4.6 GHz); 35W Intel® Core™ i5-13400E (10 Cores, 20M Cache, up to 4.6 GHz); 65W Intel® Core™ i3-13100E (4 Cores, 12M Cache, up to 3.3 GHz); 60W Intel® Core™ i3-13100TE (4 Cores, 12M Cache, up to 4.1 GHz); 35W Intel® Core™ i3-13100T (4 Cores, 12M Cache, up to 4.2 GHz); 35W 12th Generation Intel® LGA 1700 Socket Processors, TDP support up to 125W Intel® Core™ i9-12900E (16 Cores, 30M Cache, up to 5.0 GHz); 65W Intel® Core™ i9-12900TE (16 Cores, 30M Cache, up to 4.8 GHz); 35W Intel® Core™ i7-12700E (12 Cores, 25M Cache, up to 4.8 GHz); 65W Intel® Core™ i7-12700TE (12 Cores, 25M Cache, up to 4.6 GHz); 35W Intel® Core™ i5-12500E (6 Cores, 18M Cache, up to 4.5 GHz); 65W Intel® Core™ i5-12500TE (6 Cores, 18M Cache, up to 4.3 GHz); 35W Intel® Core™ i3-12100E (4 Cores, 12M Cache, up to 4.2 GHz); 60W Intel® Core™ i3-12100TE (4 Cores, 12M Cache, up to 4.0 GHz); 35W Intel® Pentium® G7400E (2 Cores, 6M Cache, 3.6 GHz); 46W Intel® Pentium® G7400TE (2 Cores, 6M Cache, 3.0 GHz); 35W Intel® Celeron® G6900E (2 Cores, 4M Cache, 3.0 GHz); 46W Intel® Celeron® G6900TE (2 Cores, 4M Cache, 2.4 GHz); 35W
CHIPSET	Intel® R680E Chipset
MEMORY	Four 288-pin UDIMM up to 128GB (ECC/Non-ECC), Dual Channel DDR5 up to 4400 MHz
BIOS	AMI SPI 256Mbit
STORAGE	Supports 1 x 3.5" and 2 x 2.5" drive bays Motherboard supports: 4 x SATA 3.0 (up to 6Gb/s) & RAID 0/1/5/10 1 x M.2 2230 E key (opt. PCIe/USB 2.0/Intel CNVi support) (Discrete Wi-Fi 6E support) 1 x M.2 2242/2260/2280 M key (PCIe x4 Gen4 NVMe/SATA/Intel Optane Memory support) 1 x M.2 2242/2260/2280 M key (PCIe x4 Gen4 NVMe/Intel Optane Memory support)
OPTICAL	Optional DVD drive (not available with redundant power supply solution)
WATCHDOG TIMER	Programmable via S/W from 1 sec. to 255 sec.
EXPANSION SLOTS	Option 1: 1 x PCIe x16 (Gen 5) or Option 2: 1 x PCIe x4 (Gen 4)
POWER SUPPLY OPTIONS	1U Single / Redundant / Flex ATX AC or DC options
AUDIO	Realtek ALC888
ETHERNET	1 x Intel® I226-LM (Core i9/i7/i5 support iAMT), 1 x Intel® I226-LM (co-lay I210-AT) Option to add extra 2 x 2.5GbE (RJ-45) ports (opt., MOQ required)
OPERATING SYSTEMS SUPPORTED	Windows 10 IoT Enterprise 64-bit Windows 11 Pro 64-bit (Motherboard option with TPM/fTPM) Linux
DISPLAY	1 x VGA: resolution up to 1920x1200 @ 60Hz 2 x DP++: resolution up to 4096x2304 @ 60Hz 1 x HDMI: resolution up to 4096x2160 @ 24Hz
MULTI-DISPLAY OUTPUTS	Supports Quad Display outputs: VGA + 2 x DP++ + HDMI
REAR I/O PORTS	2 x 2.5GbE (RJ-45) Option to add extra 2 x 2.5GbE (RJ-45) ports (opt., MOQ required) 4 x USB 3.2 Gen 2, 4 x USB 3.2 Gen 1, 1 x PS/2 (2.54mm pitch) 1 x VGA, 2 x DP++, 1 x HDMI, 1 x S/PDIF
OPTIONAL PORT EXPANSION FROM MOTHERBOARD	2 x RS-232, 2 x USB 3.2 Gen 1, 2 x USB 2.0
FRONT CHASSIS CONNECTORS	2 x USB 3.0

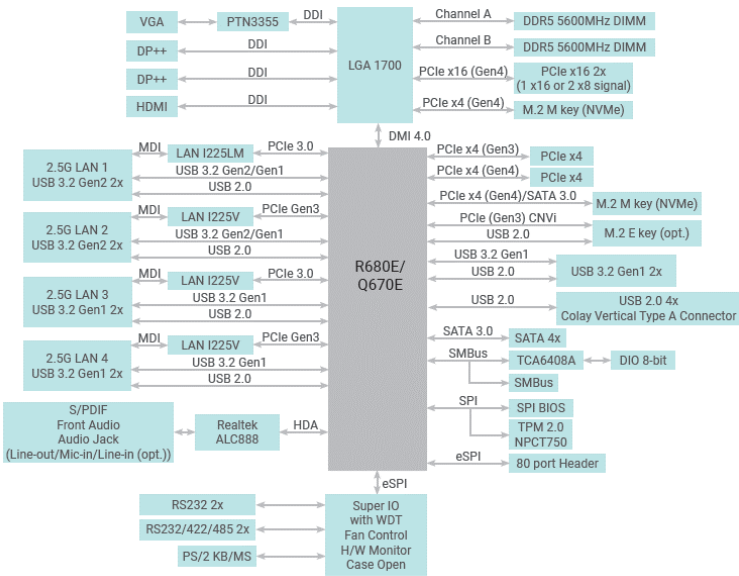
DRIVE BAYS	1 x Slimline 5.25" drive bay 1 x 3.5" drive bay 2 x 2.5" drive bays
ENVIRONMENT	Operating: 0 to 60°C Storage: -40 to 85°C without RTC Battery; -30 to 60°C with RTC Battery Operating: 5 to 90% RH Storage: 5 to 90% RH
VIBRATION	5~7 Hz: 0.5" double amplitude displacement 7~2000 Hz: 1.5g acceleration
MOTHERBOARD MTBF	TBD
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)

Dimensions





Block Diagram



Standard Services



Integrated Components



Revision Controlled



Fully Tested & Documented



Software Installed



Full Traceability



ISO Certified



OEM Customisation