ICOM184

1U 8th/9th Gen 11” Shallow Depth System



Industrial Computers
A brand of Kontron UK

POSSIBILITIES START HERE kontron S&T Group

ICOM184

PRODUCT HIGHLIGHTS



- 1U Industrial rackmount system, 11” Ultra short depth
- 1 PCIe expansion slot
- Supports Intel® 8th/9th Gen processors
- Intel® Core™, Pentium®, Celeron® CPUs
- Intel® Q370 Chipset
- 2 DDR4 SODIMMs up to 64Gb
- 3 Display outputs: 1 DP++, 1 HDMI, 1 LVDS
- I/O: 2 LAN, 4 COM, 4 USB 3.0, 4 USB 2.0
- Windows 10 Pro / IoT & Linux Support
- CPU Life Cycle Support Until Q3 2034 (Based on Intel IOTG Roadmap)

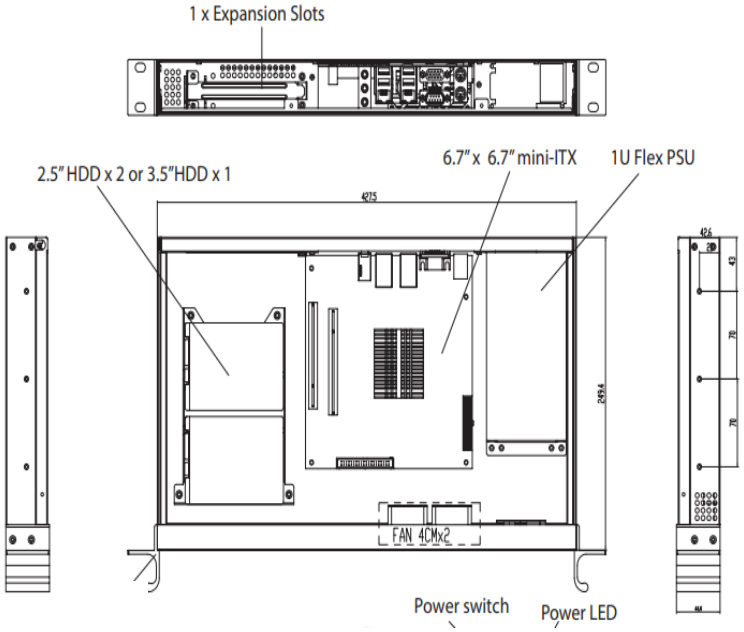
TECHNICAL INFORMATION

PROCESSOR	9th Generation Intel® Core™ Processors, LGA 1151 Socket, TDP up to 65W Intel® Core i7-9700E Processor (Core 8; Max speed 4.4 GHz; TDP 65W) Intel® Core i7-9700TE Processor (Core 8; Max speed 3.8 GHz; TDP 35W) Intel® Core i5-9500E Processor (Core 6; Max speed 4.2 GHz; TDP 65W) Intel® Core i5-9500TE Processor (Core 6; Max speed 3.6 GHz; TDP 35W) Intel® Core i3-9100E Processor (Core 4; Max speed 3.7 GHz; TDP 65W) Intel® Core i3-9100TE Processor (Core 4; Max speed 3.2 GHz; TDP 35W) 8th Generation Intel® Core™ Processors, LGA 1151 Socket, TDP up to 65W Intel® Core™ i7-8700 Processor (Core 6; Max speed 4.6 GHz; TDP 65W) Intel® Core™ i7-8700T Processor (Core 6; Max speed 4.0 GHz; TDP 35W) Intel® Core™ i5-8500 Processor (Core 6; Max speed 4.1 GHz; TDP 65W) Intel® Core™ i5-8500T Processor (Core 6; Max speed 3.5 GHz; TDP 35W) Intel® Core™ i3-8100 Processor (Core 4; Max speed 3.6 GHz; TDP 65W) Intel® Core™ i3-8100T Processor (Core 4; Max speed 3.1 GHz; TDP 35W) Intel® Pentium G5400 Processor (Core 2; Max speed 3.7 GHz; TDP 58W) Intel® Celeron G4900 Processor (Core 2; Max speed 3.1 GHz; TDP 54W)
CHIPSET	Intel® Q370 Chipset
MEMORY	Two 260-pin SODIMM up to 64GB Dual Channel DDR4 2400/2666MHz
BIOS	AMI
STORAGE	Supports 2 x 2.5” internal drive bays Supports RAID 0/1 1 x M.2 Key M (22 x 42/22 x 60/22 x 80); supports NVMe
OPTICAL	N/A
WATCHDOG TIMER	Programmable via S/W from 1 sec. to 255 sec.
EXPANSION SLOTS	Supports optional 1 x Full height PCIe x4 expansion slot
POWER INPUT	DC Power Jack connector ATX 2 x 2-pin vertical/horizontal(optional) connector support 12V, 19V to 24 VDC input AT Auto Power On function supported
AUDIO	Realtek ALC662
ETHERNET	1 x Intel® I211AT PCIe (10/100/1000Mbps) 1 x Intel® I219-V PCIe (10/100/1000Mbps)
OPERATING SYSTEMS SUPPORTED	Windows 10 Pro 64-bit Windows 10 IoT Enterprise 64-bit Linux
DISPLAY	1 x DisplayPort++ 1 x HDMI (3840 x 2160 @30Hz) 1 x LVDS & 1 x VGA (Wafer connector) & 1 x eDP (optional)
MULTI-DISPLAY OUTPUTS	Supports Triple Display outputs
REAR I/O PORTS	2 x GbE (RJ-45) 2 x USB 3.0 & 2 x USB 2.0 1 x DP++ & 1 x HDMI 1 x COM port 1 x Line-out, 1 x Mic-in +12V, 19V-24V input DC jack

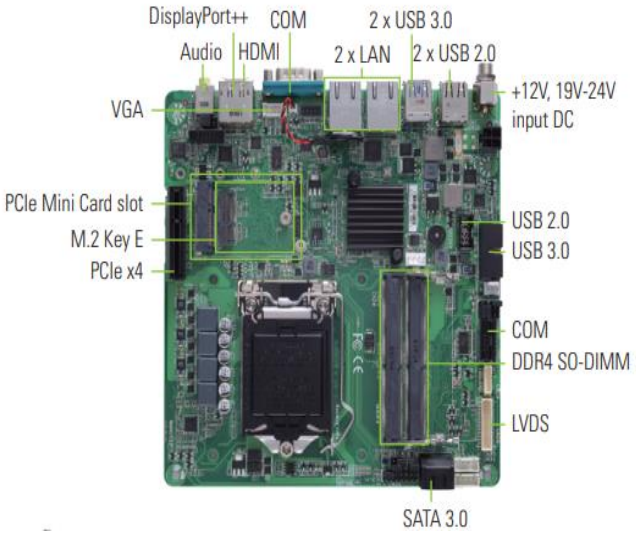
TECHNICAL INFORMATION (CONTINUED)

OPTIONAL PORT EXPANSION FROM MOTHERBOARD	1 x RS-232/422/485 1 x RS232 2 x USB 3.0 2 x USB 2.0
FRONT CHASSSIS CONNECTORS	2 x USB
DRIVE BAYS	2 x 2.5” SATA drive bays
ENVIRONMENT	Operation Temperature: 0~60 °C Storage Temperature: -20~85 °C Relative Humidity: 5~90%, non-condensing (Dependent on overall system specifications)
VIBRATION	5~7 Hz: 0.5” double amplitude displacement 7~2000 Hz: 1.5g acceleration
COOLING	Processor cooling fan Optional : 2 x 40mm fans
COLOUR	Black (all other optional colours are available upon request)
DIMENSIONS:	482.6 (W) x 282.4 (D) x 44.4 (H); 19” (W) x 11.12” (D) x 1.75” (H)

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