

ICOM727

Industrial mATX Wallmount/Desktop 6th/7th Gen System



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PRODUCT HIGHLIGHTS

- ▶ Wallmount/Desktop mATX motherboard system
- ▶ Intel 6th/7th Gen Intel® Core™ with Intel® Q170
- ▶ 4 DDR4 DIMM up to 64GB
- ▶ Multiple expansion: 2 PCIe x16 (1 x16 or 2 x8 signal), 2 PCIe x4, 1 M.2
- ▶ 3 independent displays: VGA + DVI-D + DP++
- ▶ Rich I/O: 4 Intel GbE, 6 COM, 6 USB 3.0, 6 USB 2.0
- ▶ 15-Year CPU Life Cycle Support Until Q1' 32 (Based on Intel IOTG Roadmap)
- ▶ 1 x 5.25" and 2 x internal 3.5" drive bays



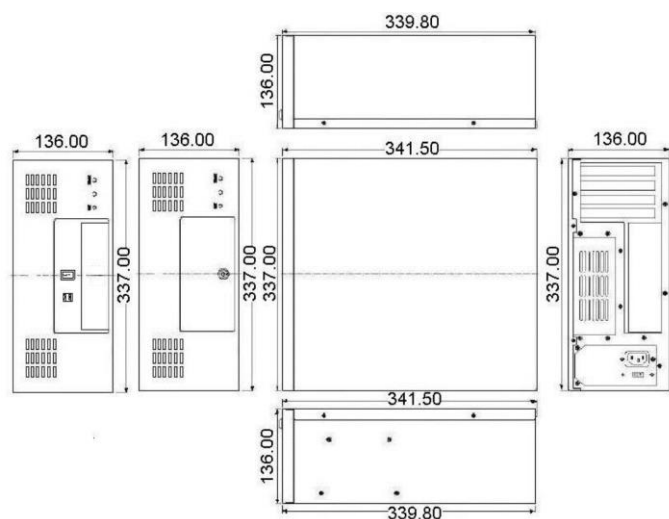
TECHNICAL INFORMATION

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® Q170 Chipset
MEMORY	Four 288-pin Non-ECC DIMM up to 64GB Dual Channel DDR4 2133/2400MHz
BIOS	Insyde SPI 128Mbit
STORAGE	1x external 5.25" & 2x internal 3.5" drive bays Supports 5 x SATA 3.0 & RAID 0/1/5/10 Optional removable hard disk drives or solid state disks
OPTICAL	DVD±RW (±R DL) / DVD-RAM drive
WATCHDOG TIMER	Programmable via S/W from 1 sec. to 255 sec.
EXPANSION SLOTS	2 x PCIe x16 (1 x16 or 2 x8 signal) (Gen 3) 2 x PCIe x4 (Gen 3) 1 x M.2 2260/2280 M key (SATA3.0/PCIe Gen3 x2 NVMe)
POWER SUPPLY	400w SFX Industrial 100,000 MTBF power supply
AUDIO	Realtek ALC888S-VD2-GR
ETHERNET	3 x Intel® I211AT PCIe (10/100/1000Mbps) 1 x Intel® I219LM PCIe with iAMT11.0 (10/100/1000Mbps)
OPERATING SYSTEMS SUPPORTED	Windows 7 32/64-bit Windows 8.1 64-bit Windows 10 64-bit Linux Note: 7 th Gen CPU SKU only supports Windows 10 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 4096x2106 @ 60Hz
MULTI-DISPLAY OUTPUTS	Supports Triple Displays: VGA + DVI-D + DP++

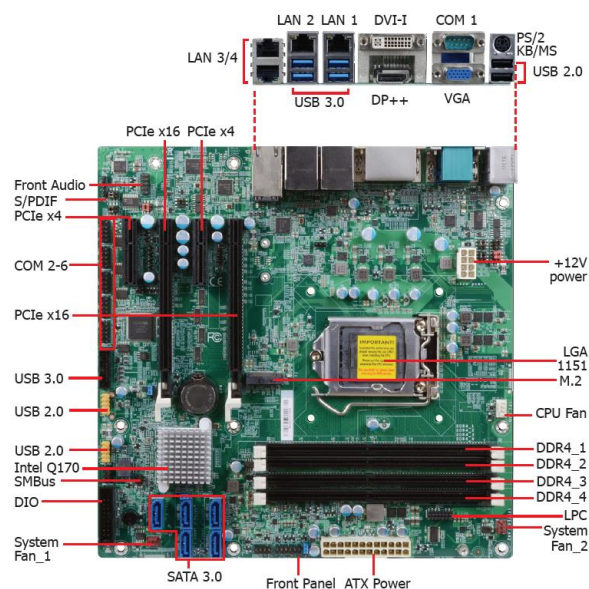
► TECHNICAL INFORMATION (CONTINUED)

REAR I/O PORTS	4 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++
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 3.0 (2.00mm pitch) 4 x USB 2.0 (2.54mm pitch) or 2 x USB2.0 (2.54mm pitch) +1 x Vertical USB 2.0 (opt. MOQ required)
FRONT CHASSIS CONNECTORS	2 x USB ports on front panel
CHASSIS CONSTRUCTION	Heavy-duty Steel 3mm aluminium front panel
DRIVE BAYS	1x external 5.25" & 2x internal 3.5" drive bays
SWITCHES	Power On/Off
INDICATORS	Power On/Off & HDD activity
MOTHERBOARD MTBF	503,212 hrs @ 25°C; 281,329 hrs @ 45°C ; 175,239 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
COOLING	8cm ball-bearing fan
COLOUR	Black (all other optional colours are available upon request)
DIMENSIONS:	337 x 339.8 x 136 mm (13.26 x 13.4 x 5.36 inches)

► 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