

ICOM-SC7

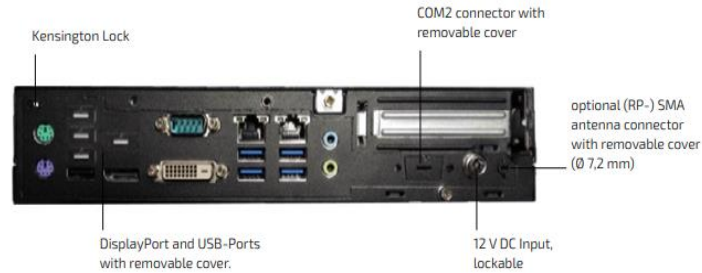
Embedded Box 8th/9th Gen System



ICOM-SC7

PRODUCT HIGHLIGHTS

- ▶ Compact 250 x 52 x 191 mm Mini-ITX embedded PC system
- ▶ Supports Intel® 8th/9th Generation Core™ / Pentium®/ Celeron LGA 1151 Socket Processors
- ▶ Intel® H310 Chipset
- ▶ 2 x DDR4 SO-DIMM up to 32GB
- ▶ Front & Rear USB ports
- ▶ 1 x Display port & 1 x DVI-D port
- ▶ Dual Gigabyte LAN ports
- ▶ 1 x Low Profile PCIe x4, 1 x M.2 expansion & 1 x Mini-PCIe slots
- ▶ Choice of Horizontal or Vertical operation plus Wallmount bracket



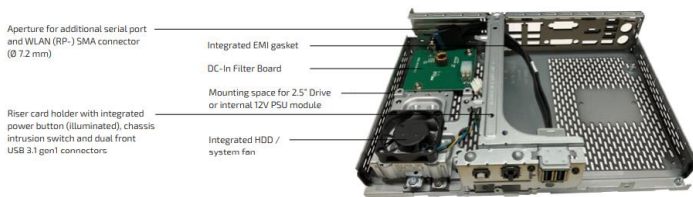
TECHNICAL INFORMATION

PROCESSOR	8th Generation Intel® Core™ /Pentium®/Celeron® LGA 1151 Socket Processors: Intel® Core™ i7-8700T (6 Cores, 12M Cache, up to 4.0 GHz); 35W Intel® Core™ i5-8500T (6 Cores, 9M Cache, up to 3.5 GHz); 35W Intel® Core™ i3-8100T (4 Cores, 6M Cache, to 3.1 GHz); 35W Intel® Pentium® G5400T (2 Cores, 4M Cache, 3.1 GHz); 35W 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™ i5-9500TE (6 Cores, 9M Cache, up to 3.6 GHz); 35W Intel® Core™ i3-9100TE (4 Cores, 6M Cache, to 3.2 GHz); 35W
CHIPSET	Intel® H310 Express Chipset
BIOS	AMI Aptio 5.x (UEFI) BIOS
MEMORY	Two DDR4 2666 SO-DIMM up to 32GByte
WATCHDOG	3 Level HW Watchdog (BIOS POST / BIOS BOOT / OS)
STORAGE	1 x 2.5" HDD/SSD drive bay 1 x Serial ATA (SATA) III 600 Interface (up to 6GBit/s), NCQ, AHCI
EXPANSION SLOTS	1 x M.2 PCIe x2 (Key-M: 2242/2260/2280) 1 x Mini-PCIe (half-size/full-size) 1 x PCIe x4
POWER SUPPLY	External/Internal DC-In 12V (DC Jack/4-Pin) Optional internal 65W PSU module
AUDIO	Realtek ALC671
ETHERNET	Intel® i219LM & i210AT with 10/100/1000 MBit/s
OPERATING SYSTEMS SUPPORTED	Windows 10 Pro 64-bit Windows 10 IoT Linux
GRAPHICS CONTROLLER	Intel® UHD Graphics, DX12
DISPLAY	1 x DP V1.2 1 x DVI-D
REAR I/O	1 x DC-in jack 1 x RS232/422/485 COM 1 x Display Port 1 x DVI-D 2 x LAN 3 x USB2.0 (2 full size and 1 mini) 2 x USB3.1 Gen1 PS2 Audio
FRONT CHASSIS CONNECTORS	1 x Power switch 2 x USB
ENVIRONMENT	0°C ~ 45°C (Chassis ambient temperature) 5% ~ 85% relative humidity (non-condensing)
COMPLIANCE	CE Class B, Industrial Immunity (EN 61000-6-2), FCC Class B (verified)

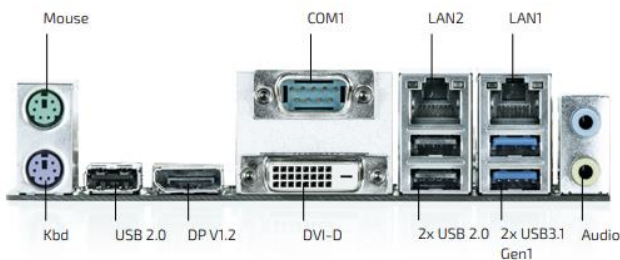
TECHNICAL INFORMATION (CONTINUED)

COOLING	1 x HDD/SSD System fan MTBF: 70.000 hours @ 40 °C Operating Temperature: -10 °C – 70 °C PWM (4 pin), 40 x 40 x 10mm 1750 – 5.500 rpm (nominal) Two ball bearing
MECHANICAL	Mini-ITX form factor system Dimensions: 250 x 52 x 191 mm (W x H x D) Colour: Black
OPTIONS	Active cooler AC Adapter 19V / 3.42A, 65W - w/o power cord Internal 12V 65W PSU PCIe riser card Serial port cable Mini-PCIe to M.2 Wi-Fi adapter

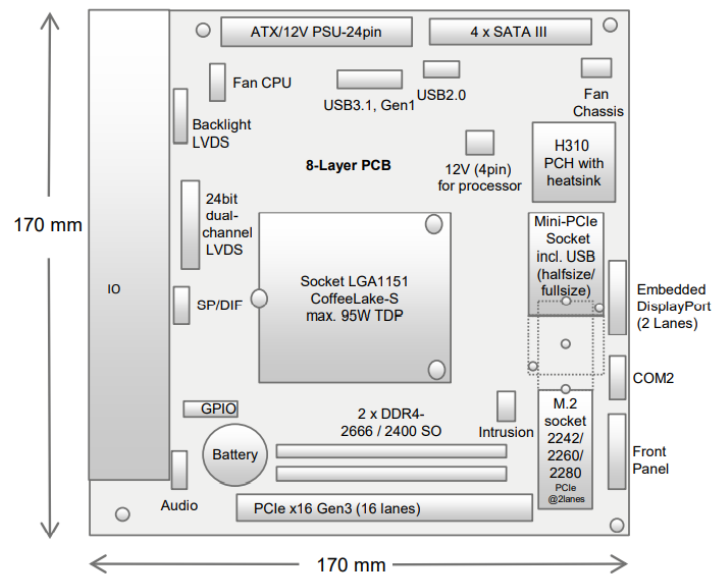
CHASSIS DESIGN



MOTHERBOARD REAR I/O CONFIGURATION



BLOCK DIAGRAM



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