

ICOM-SC1

Embedded Box 8th/9th Gen Systems



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PRODUCT HIGHLIGHTS

- ▶ Ultra compact 36 x 147 x 165 mm Mini-STX embedded PC systems
- ▶ 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 DP++ & 1 x HDMI ports
- ▶ 2 x M.2 expansion slots
- ▶ Choice of Horizontal or Vertical operation
- ▶ VESA and Wallmount options



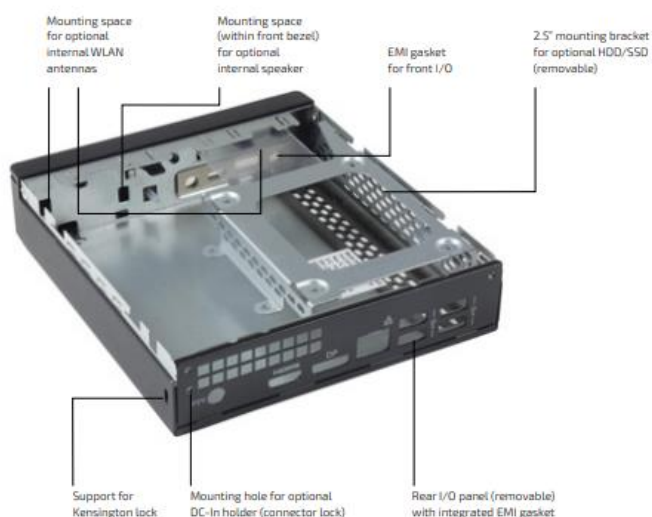
TECHNICAL INFORMATION

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
BIOS	AMI Aptio 5.x (UEFI) BIOS
MEMORY	Two DDR4 2666MHz SO-DIMM up to 32GB
WATCHDOG	3 Level HW Watchdog (BIOS POST / BIOS BOOT / OS)
STORAGE	1 x 2.5" mounting bracket for HDD/SSD 1 x Serial ATA III 600 Interface (up to 6GBit/s), NCQ, AHCI
EXPANSION SLOTS	1 x M.2 Key M Socket (2280) for PCIe based M.2 Modules (4 lanes) 1 x M.2 Key-E (2230)
POWER SUPPLY	External DC-in, 19V Optional 65W AC adapter
AUDIO	Realtek ALC671
ETHERNET	Realtek RTL8111E with 10/100/1000 MBit/s
OPERATING SYSTEMS SUPPORTED	Windows 10 Pro 64-bit Windows 10 IoT Linux
GRAPHICS CONTROLLER	Intel® HD Graphics (depends on installed processor), DX12
DISPLAY	1 x HDMI V1.4 1 x DP V1.2
REAR I/O	1 x 19V DC-in jack 1 x HDMI 1 x Display Port 1 x LAN 2 x USB2.0 2 x USB3.1 Gen 1
FRONT CHASSIS CONNECTORS	1 x Power switch 1 x USB 1 x Headphone 1 x Microphone
ENVIRONMENT	Passive heatsink (fanless): 0°C ~ 40°C* Active heatsink (with Fan): 0°C ~ 50°C* 5 % - 85 % relative humidity (non-condensing) * Dependant on overall system specifications
COMPLIANCE	CE Class B, Industrial Immunity (EN 61000-6-2), FCC Class B (verified)

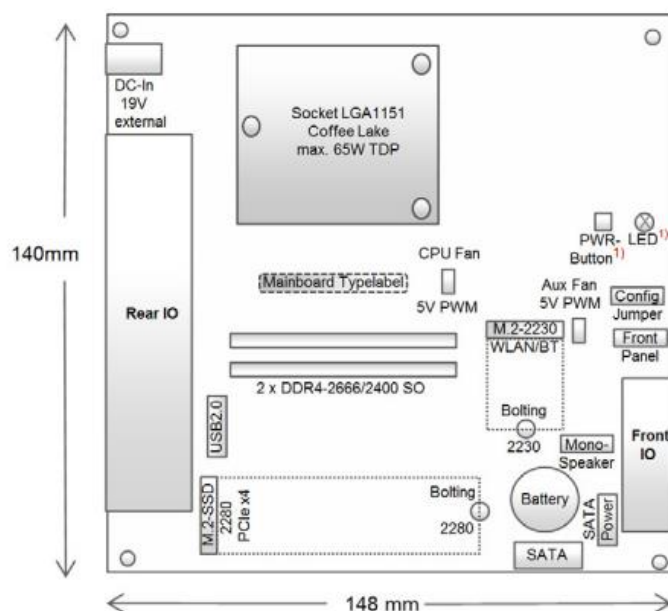
► TECHNICAL INFORMATION (CONTINUED)

COOLING	Passive fanless cooling or Active heatsink options
MECHANICAL	Mini-STX form factor system Dimensions: 36 x 147 x 165 mm (W x H x D) Colour: Black
OPTIONS	Active cooler AC Adapter 19V / 3.42A, 65W - w/o power cord WLAN Module Intel 9260 NON VPRO, left (grey) /right (black) Antenna (incl. cable) Wall Mount Bracket VESA Mount Bracket

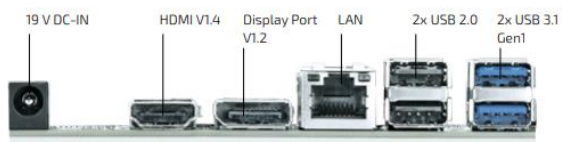
► CHASSIS DESIGN



► BLOCK DIAGRAM



► MOTHERBOARD REAR I/O CONFIGURATION



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