ICOMF106



Fanless 1U Thin-ITX Industrial System with 4 x 2.5" drive bays

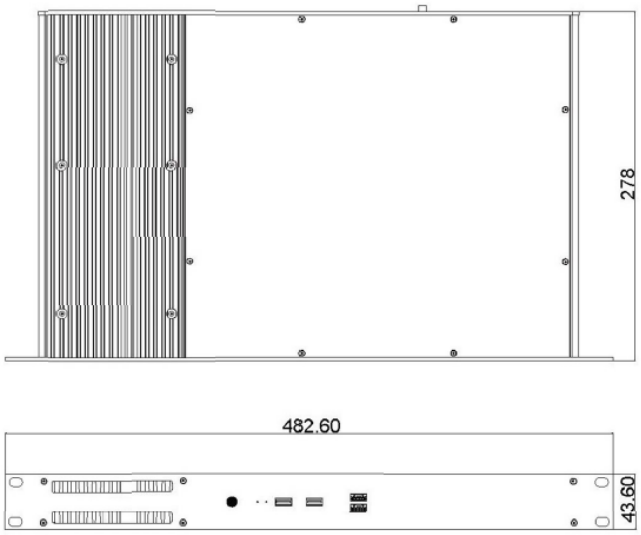
- 1U Industrial silent fanless system
- Supports Intel® 12/13/14th Gen processors
- Intel® Core™ i3/i5/i7 processors, up to 35w
- Intel® H610 Chipset
- 2 DDR5 Non-ECC SO-DIMM up to 64GB
- 1 DP++ and 1 HDMI outputs
- I/O: 2 LAN, 1 x USB-C, 2 USB 2.0
- 4 2.5" drive bays
- Front USB ports

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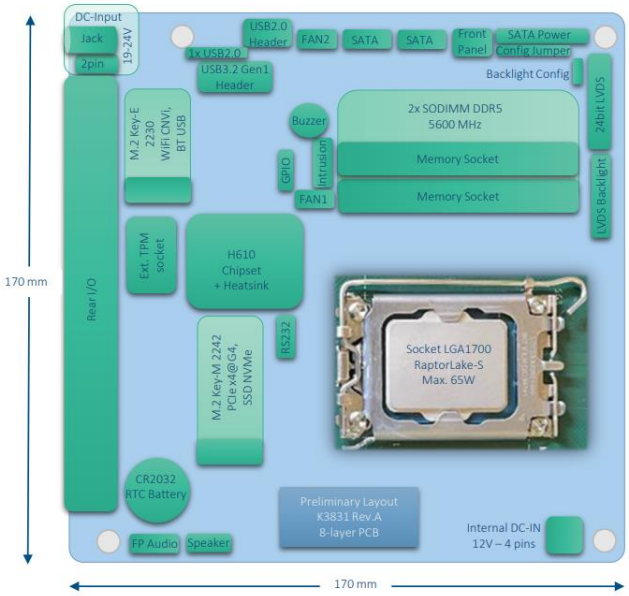
PROCESSORS	14th Generation Intel® LGA 1700 Socket Processors, TDP support up to 35W Intel® Core™ I9-14900T (24 Cores, 36M Cache, up to 5.5 GHz); 35W Intel® Core™ I7-14700T (20 Cores, 33M Cache, up to 5.2 GHz); 35W Intel® Core™ I5-14500T (14 Cores, 24M Cache, up to 4.8 GHz); 35W Intel® Core™ I5-14400T (10 Cores, 20M Cache, up to 4.5 GHz); 35W Intel® Core™ I3-14100T (4 Cores, 12M Cache, up to 4.4 GHz); 35W 13th Generation Intel® LGA 1700 Socket Processors, TDP support up to 35W Intel® Core™ I9-13900TE (24 Cores, 36M Cache, up to 5.0 GHz); 35W 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™ I5-13500TE (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™ 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 35W Intel® Core™ i9-12900TE (16 Cores, 30M Cache, up to 4.8 GHz); 35W Intel® Core™ i7-12700TE (12 Cores, 25M Cache, up to 4.6 GHz); 35W Intel® Core™ i5-12500TE (6 Cores, 18M Cache, up to 4.3 GHz); 35W Intel® Core™ i3-12100TE (4 Cores, 12M Cache, up to 4.0 GHz); 35W Intel® Pentium® G7400TE (2 Cores, 6M Cache, 3.0 GHz); 35W Intel® Celeron® G6900TE (2 Cores, 4M Cache, 2.4 GHz); 35W
CHIPSET	Intel® H610 Chipset
MEMORY	2 SO DIMM Socket DDR5-5600, max. 64 GB Dual Channel unbuffered non-ECC.
BIOS	AMI Aptio 5.x (UEFI) BIOS modified and adapted Recovery BIOS, SM-BIOS (DMI), BIOS and CPU Microcode Update, Quick Boot, Logo Boot, Quiet Boot, Plug & Play, Automatic DRAM Configuration, BIOS Support for S.M.A.R.T., Advanced Power Management, ACPI S3/S4, Wake on time from S5. No legacy OS support, no MBR installation (UEFI only)
STORAGE	Four internal 2.5" HDD / SSD bays Motherboard supports: 1 x M.2 2230/2242 (Key-M, Gen 4, PCIe/NVME SSD modules)
EXPANSION	Optional low profile PCI-E slot x1 (8X) 1x M.2 2230 (Key-E, WLAN/Bluetooth modules, incl. CNVi support) Optional hi-quality external Wi-Fi antennas and connectors
WATCHDOG TIMER	BIOS POST-/BIOS BOOT-/OS-HW Watchdog
SYSTEM CONTROL	1x Front Panel header (Power Button, Reset Button, Power LED, HDD LED) Recovery BIOS, System and BIOS Password, Boot Sequence Control, Serial-/ USB- Port Access Protection, Write Protection for Flash BIOS, EraseDisk (BIOS Feature), Intel integrated TPM V2.0, optional Infineon TPM module (TCG compliant, socket prepared)
POWER SUPPLY	External DC-in: 19-24 V Internal DC-in: 12 V/19-24 V
AUDIO	Realtek ALC256 High Definition Audio Codec, 2W@4Ohm stereo speaker support Line-In / Line-Out
ETHERNET	Realtek RTL8111E with 10/100/1000 MBit/s, Wake-on-LAN (WoL) by interesting Packets, Link Status Change and Magic Packet™, PXE support, BIOS MAC Address Display Intel® i219LM with 10/100/1000 MBit/s, iAMT features, Wake-on-LAN (WoL) by interesting Packets, Link Status Change and Magic Packet™, PXE Support, BIOS MAC Address Display, Teaming Support
OPERATING SYSTEMS SUPPORTED	Windows 10, Windows 11 Linux
GRAPHICS	Intel® UHD Graphics 7xx
DISPLAY OUTPUTS	1x Display Port V1.4a, 1x HDMI V2.0b Dual-Channel (24bit) LVDS
REAR I/O PORTS	1 x 19/24V DC-in 2 x GbE (RJ-45) 1 x USB-C 3.2 Gen 2, 2 x USB 2.0 1 x HDMI, 1 x DP++ 2 x Audio
FRONT CHASSSIS CONNECTORS	USB 3.2 x2, USB 2.0 x2
MOUNTING	1U rackmount front panel

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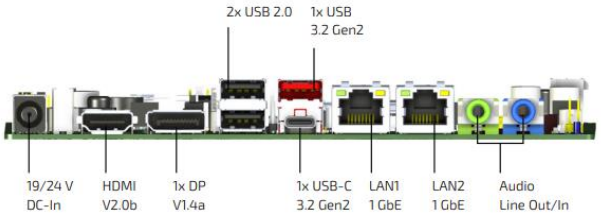
Dimensions



Motherboard layout



Motherboard Rear I/O



Standard Services

Integrated Components | **Revision Controlled** | **Fully Tested & Documented** | **Software Installed** | **Full Traceability** | **ISO Certified** | **OEM Customisation**

Kontron UK Limited

Units 3, 4, 5, 9 & 10 New Bury Park
Marsh Lane, Easthampnett
West Sussex, PO18 0JW, United Kingdom
VAT Registration No: GB 679306304
Registered in England No.: 3204417

Tel: + 44 (0)1243 523500
Email: uksales@kontron.com
Web: www.kontron.com
www.industrial-computers.com

Registered Address: Appledram Barns
Birdham Road, Chichester
West Sussex
PO20 7EQ
United Kingdom

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