

AI & Edge Computing solution with Intel® 10th gen Comet Lake-S Core™ processor



APOLLO 31470DW

Lex SYSTEM®

www.lex.com.tw

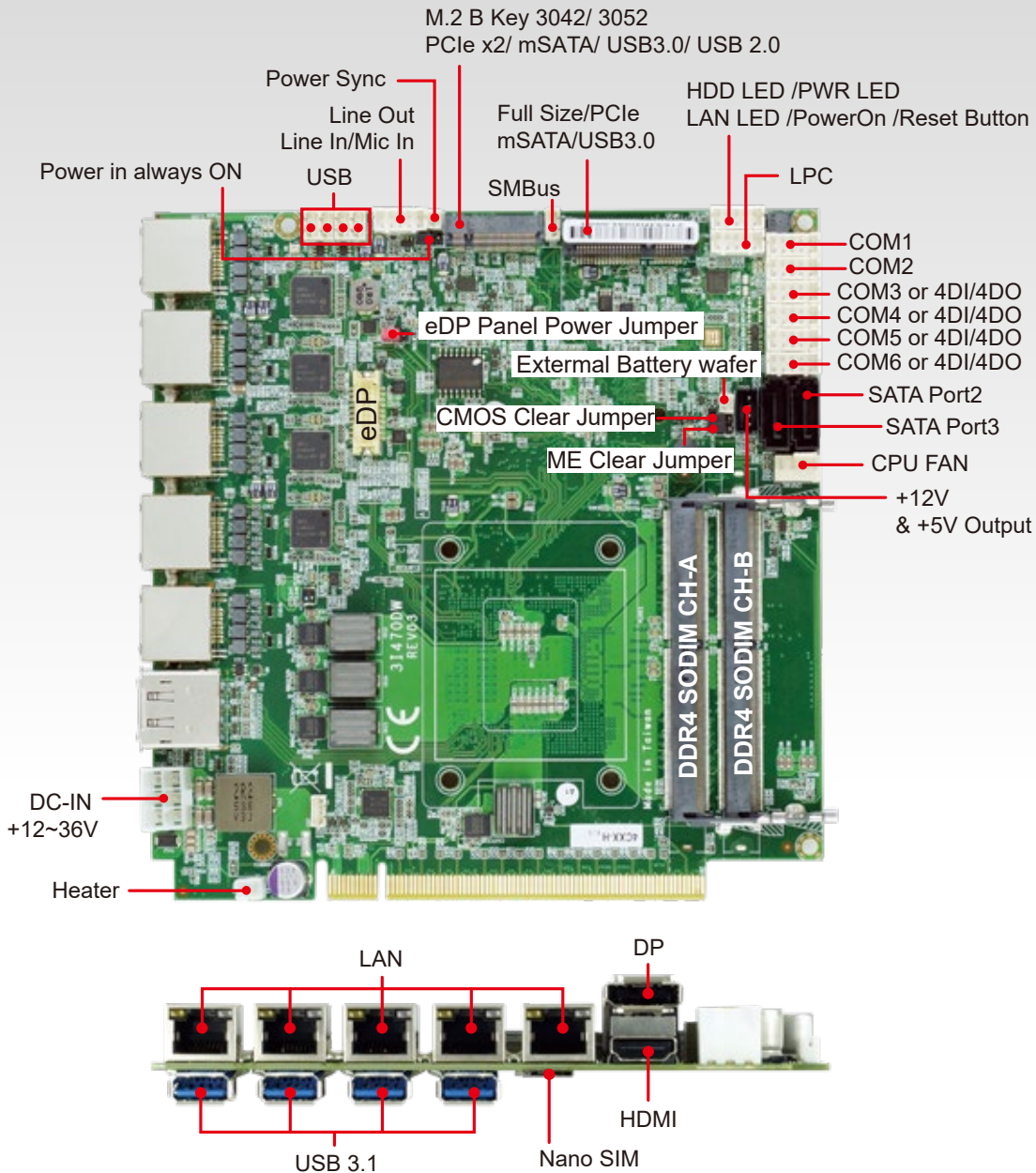
Maximizing performance 3.5" SBC with Intel® 10th gen Comet Lake-S Core™ processor

LEX SYSTEM 3I470DW, with Intel 10th Gen Comet Lake-S Core i CPU, equipped with 5 x GbE, 4 x RS232/RS422/485 serial ports, 8 x USB, 8 DI /8 DO, DP, HDMI & eDP and PCIe/mPCIe/M.2 expansion slots, is ideal platform to integrate diagnostic test tools and control equipments for video surveillance, vehicle communication and industrial IoT automation applications.

APOLLO 3I470DW fanless mechanical design provide rugged and scalable computing platforms that support installing graphics card as GPU-aided edge computing platforms which benefit the implementation of advanced AI applications such as machine learning, autonomous vehicle, intelligent video analytics, facial image and speech recognition.



Function Map



3I470DW

3I470DW –Completed solution AI and Edge Computing Applications

- Intel® 10th Gen Comet Lake-S i7 / i5 / i3 / Pentium / Celeron CPU
- Intel® Q470 Chipset
- 2 x DDR4 SODIMM socket, Max. 64GB,
- Multiple Independent display: HDMI, DP & eDP
- 5 x Intel GbE LAN, 4 x USB 3.1, 4 x USB 2.0, TPM2.0
- 1 x Full size Mini PCIe (PCIe / mSATA / USB 3.0 / USB2.0)
- 1 x M.2 B Key, Type 3042 (mSATA / PCIe x2 / USB 3.0 / USB 2.0) (Support NVME)
- 1 x Nano SIM
- 1 x PCIe 16x / 8x / 4x / 1x golden finger
- 4~6 x RS232 / 422 / 4854
- 8 DI/ 8 DIO
- Wide Range DC Input +12~36V
- Wide Range temperature support -20 °C ~ 70°C

[Data Sheet](#)

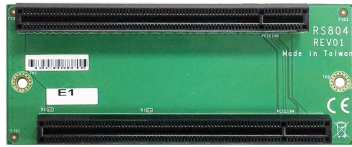


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Dimension: 230 W x 89 D x 173 H

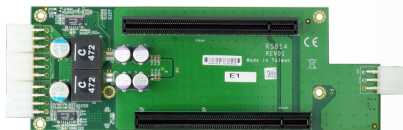
- Excellent heat-dissipating System
- Robust & Powerful Fanless Embedded solution
- Support 1x PCIe Slot expansion

Extension Cards



RS804

- PCIe x 16 to 1 x PCIe x16 Riser card
- 45 x 110 mm



RS814

- PCIe (x16) interface to 1 x PCIe Slot (PCIe x16) Riser Card
- Input voltage range: 12V to 36V.
- Output voltage: 12V.
- Maximum output current: about 20A (240watt)
- 64 x 180 mm



RS815

- PCIe x16 to 1 PCIe x16 Riser card for GPU / Graphics card (max 500 watt)
- Input voltage range: 24V to 36V, typical: 24V
- Output voltage: 12V, maximum output power: 500W.
- Over voltage threshold: > 36V
- Under voltage threshold: < 19V
- 74 x 250 mm

About LEX Comptech

Established in 1990, LEX Comptech is an industrial computer manufacturer, provides LEX SYSTEM embedded solutions include designing and manufacturing of industrial motherboards, fanless embedded systems, rugged panel PC, in-vehicle fanless PC, network appliances, machine vision and automation controllers & IoT related solutions.

LEX SYSTEM's R&D team consisted with electronics, layout, system, mechanical, BIOS, firmware as well as software engineers, plus with experienced project management, in-house manufacturing and after sales service provides ODM /OEM customized products for various application-oriented projects.

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