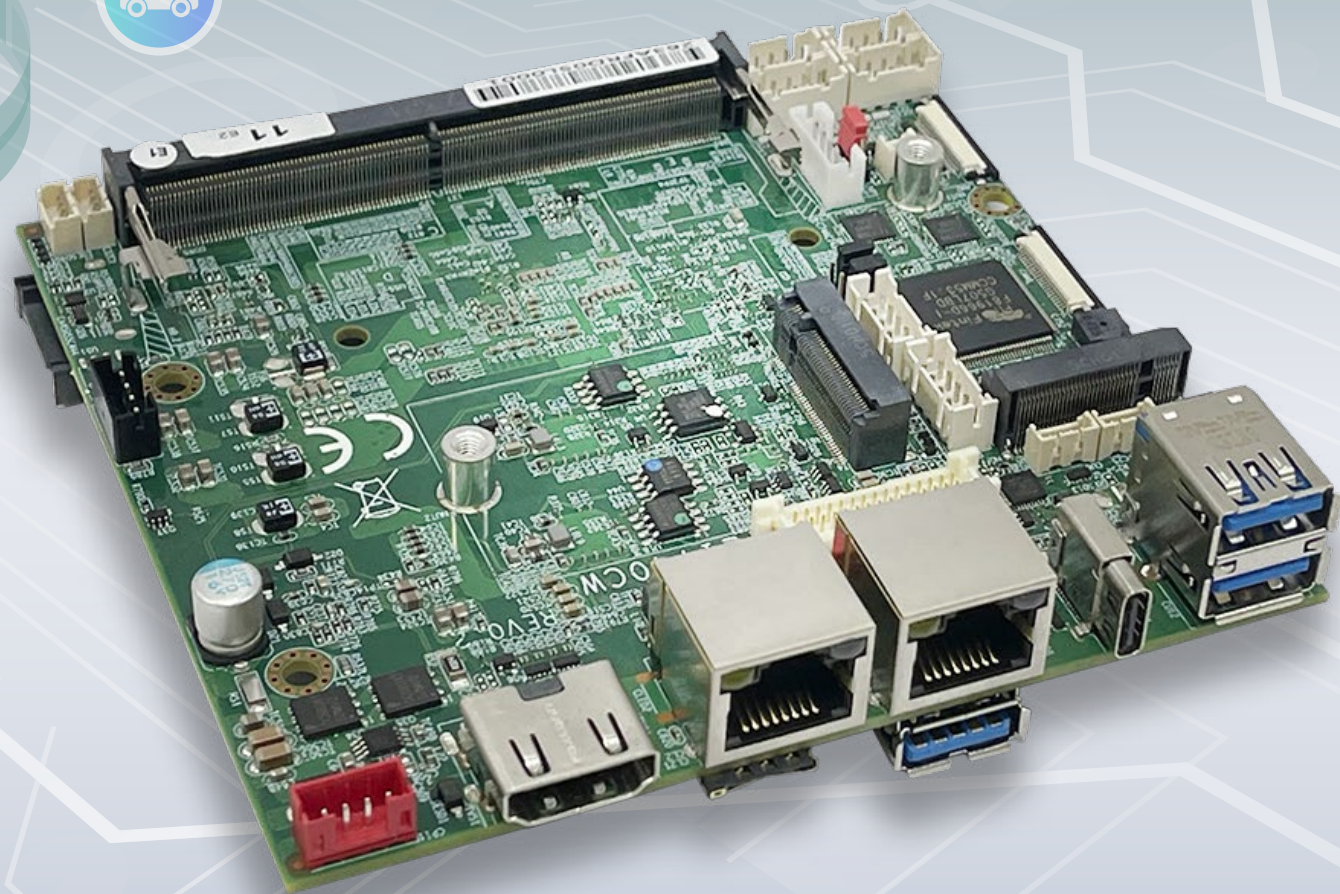


21740CW

Compact Edge Gateway: LEX SYSTEM

21740CW with Intel® Atom® Amston Lake SoC



Lex SYSTEM[®]

www.lex.com.tw

2I740CW

Compact Edge Gateway: LEX SYSTEM 2I740CW with Intel® Atom® Amston Lake SoC

LEX System ultra-compact 2.5" SBC (108 x 102mm) – 2I740CW is powered by Intel® Atom™ x7000 (formerly Amston Lake) Series processors. The 2I740CW integrates 2 x 2.5GbE LAN ports, 6 x USB ports, 4 x COM ports, HDMI®, LVDS, 1 x USB 3.2 Type-C with DP Alt Mode, 2 x MIPI-CSI camera interfaces, and 2 x M.2, 1 x Nano SIM expansion slots, making it an ideal platform for high-performance graphics with built-in IoT capabilities, real-time processing, manageability, and security.

With its low power consumption, multiple 2.5GbE Ethernet ports, and wide range 9–36V DC input, the 2I740CW is an excellent choice for OpenVINO-based AI accelerator platforms and advanced Edge AI applications, including intelligent control, factory automation (Industry 4.0), IoT, and edge computing.



Function Map

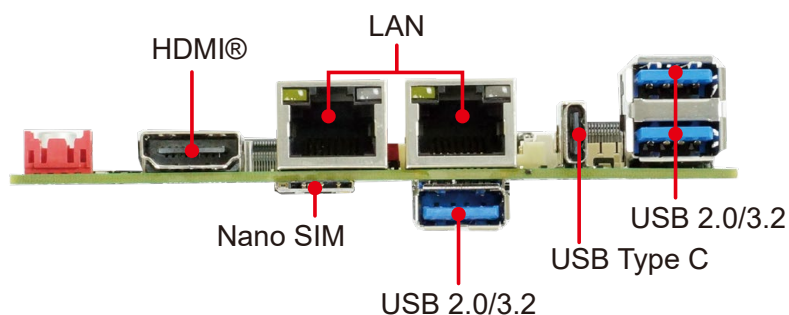
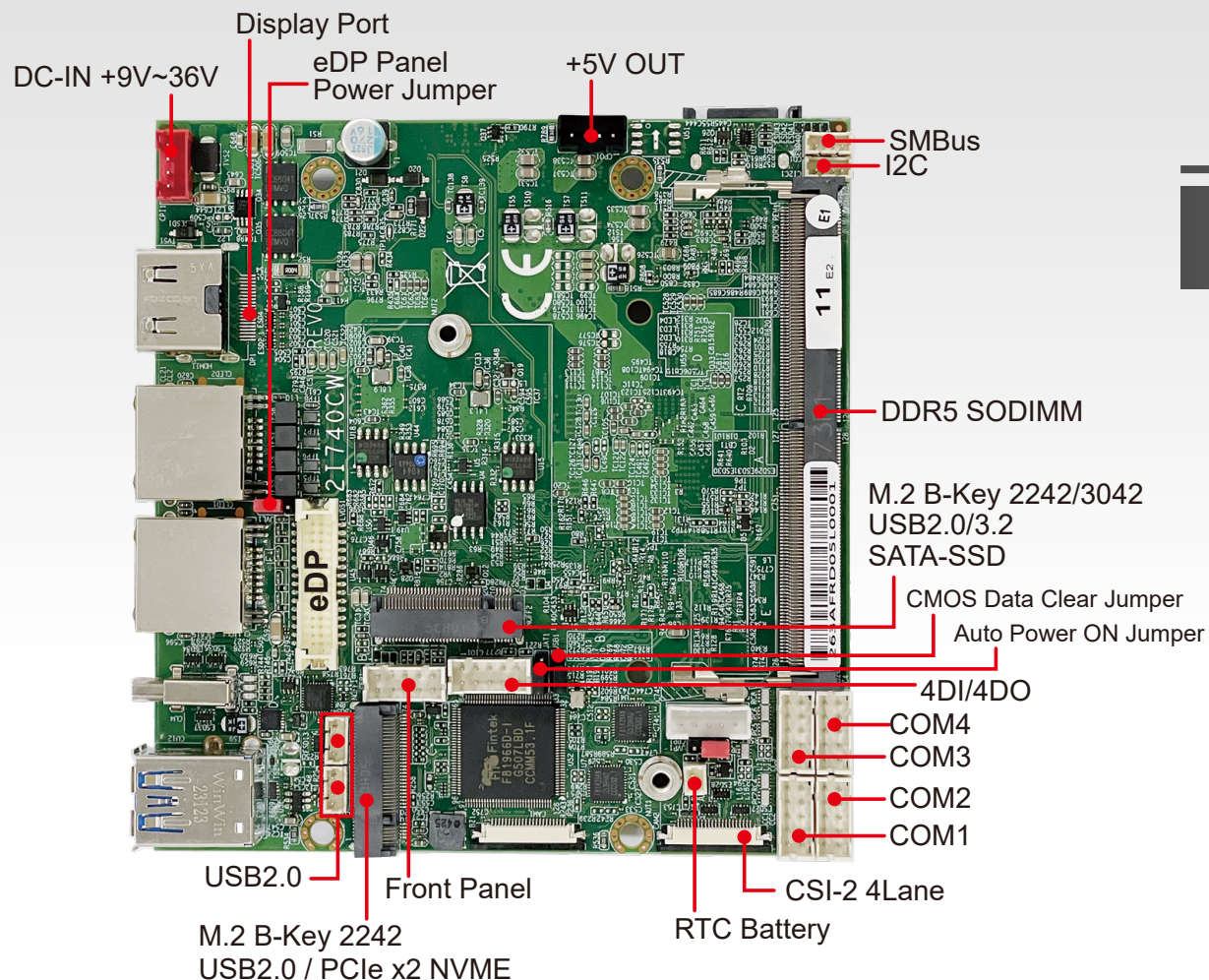


21740CW

Compact solution for Edge AI Appliance

- Intel® Amston Lake ATOM® x7000 series CPU
- 1 x DDR5 SODIMM, Max. 16GB
- Independent display: 1 x HDMI® ;
1 x USB 3.2 Type C DP ALT ; 1 x LVDS or eDP (BIOS)
- 2 x Intel 2.5 GbE LAN, 3 x USB 3.2 (Type A),
1 x USB 3.2 (Type C), 2 x USB 2.0
- 4 x COM, 2 x M.2, 1 x Nano SIM, 2 x MIPI-CSI
- TPM 2.0, 4DI/4DO, Wide Range DC-IN+9~36V

[Data Sheet](#)



Unlocking Infinite Versatility: Flexible Expansion for Your Edge AI Solutions

Engineered for ultimate adaptability, the motherboard supports a wide range of modular expansion combinations via CN073 M.2 modules. Utilizing the SSL connector, users can seamlessly connect to various expansion boards (via PCIe or USB signals) to satisfy diverse application demands:



CN073

Advanced Multi-LAN:

Choose from 4 x GbE (CL210A), 4 x PoE (CL210P), 4 x 2.5GbE (CL226A), or 4 x Fiber LAN (CL210F).

Robust 4G/5G Wireless:

Deploy via the 4-Port M.2 B-Key + 4-Port Micro SIM module (CN063).

Multimedia Integration:

Support real-time video analytics via the HDMI® video capture card (ME225-S).

I/O Enrichment:

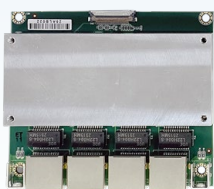
Expand versatile connectivity with 4 x USB 3.0 ports (CU006-S).

Lex SYSTEM[®]
www.lex.com.tw

Tailor your system effortlessly to conquer demanding industrial environments and complex AI inferencing!

M.2 2242 B+M Key to PCIe/USB 3.0 Signal Adapter Board

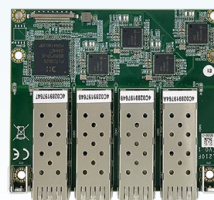
- Supports PCIe or USB signal via SSL connector with Micro Coaxial Cable



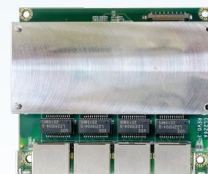
CL210A



CL210P



CL210F



CL226A



ME225A



CN063



CU006-S



The FOX 2I740CW is an ultra-compact, fanless embedded system powered by Intel Atom x7000 series processors, offering rich wired and wireless connectivity (including Wi-Fi 6 and 4G/5G) to provide a low-power, wide-temperature platform for space-constrained edge computing, AIoT, and intelligent gateway applications.

FOX 2I740CW

Dimension: 132.5W x 112.45D x 68H mm

- Compact & Excellent heat-dissipated Fanless Embedded System

About LEX Computech

Established in 1990, LEX Computech 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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