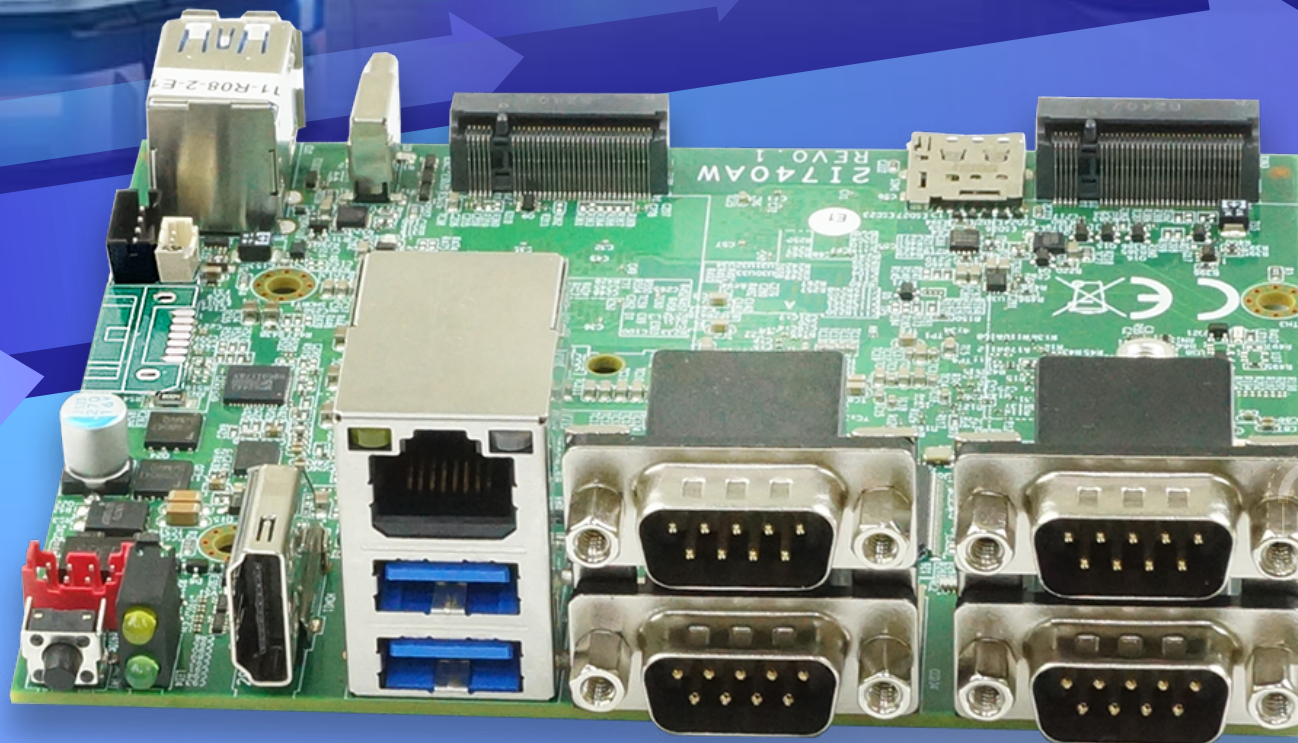


21740AW

Empowering Industrial Control: 21740AW
Ultra Compact SBC, powered by Intel®
Atom® x7000 Series



2I740AW

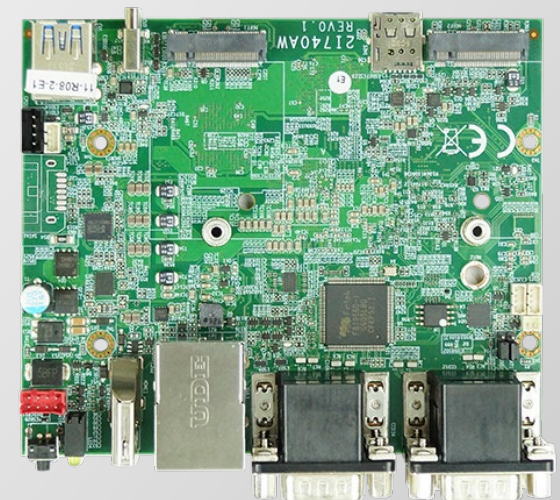
Empowering Industrial Control: 2I740AW Ultra Compact SBC, powered by Intel® Atom® x7000 Series

LEX SYSTEM 2.5" Plus SBC (117 x 98.2 mm) - 2I740AW is powered by Intel Atom® x7000 Series processors (formerly Amston Lake). Engineered for demanding industrial environments, it features reliable onboard LPDDR5 memory and onboard eMMC (32-256 GB) storage, offering exceptional shock and vibration resistance.

Despite its compact size, the 2I740AW delivers outstanding multi-connectivity, equipped with:

- 4 x COM ports (RS-232/422/485) for flexible legacy device integration.
- 5 x USB ports plus 1 x USB 3.2 Type-C (supporting DP ALT mode).
- 1 x High-Speed 2.5GbE LAN for fast, reliable networking.
- 2 x M.2 slots and 1 x Nano SIM expansion for seamless wireless connectivity.

Combined with excellent CPU performance and a wide-range 9-24V DC-IN power input, the 2I740AW is the ultimate solution for Industrial Control, Factory Automation (Industry 4.0), Intelligent Control, and advanced Edge AI applications.



Function Map

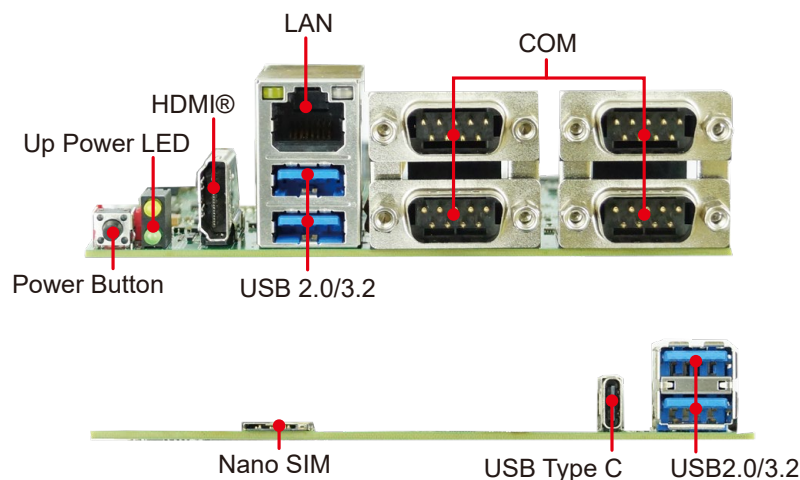
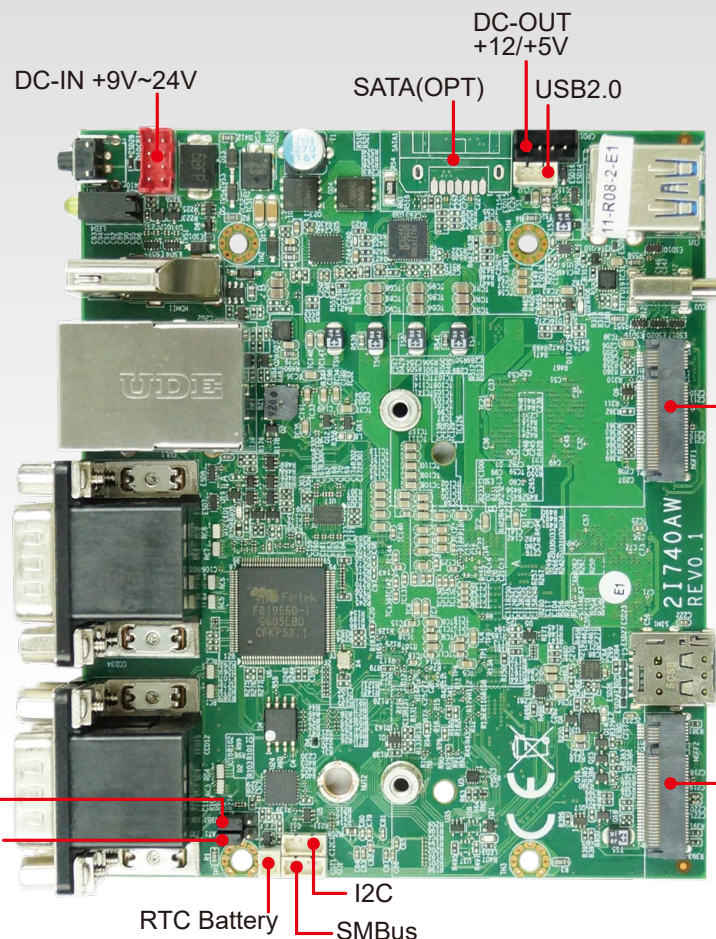


21740AW

Compact solution for Intelligent Control Appliance

- Intel® Amston Lake ATOM® x7000 series CPU
- Onboard LPDDR5, 8GB / 16GB / 32GB
- eMMC 5.1 32GB~256GB
- Independent display: 1 x HDMI® ; 1 x USB 3.2 Type C DP ALT*
- 1 x Intel 2.5 GbE LAN, 4 x USB 3.2, 1 x USB 2.0,
- 4 x COM, 2 x M.2, 1 x Nano SIM
- TPM 2.0, 4DI/4DO, Wide Range DC-IN+9~24V

[Data Sheet](#)



Lex SYSTEM®

www.lex.com.tw

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:

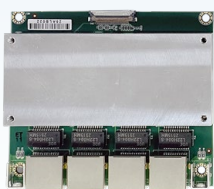
Expand versatile connectivity with 4 x USB 3.0 ports (CU006-S).

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

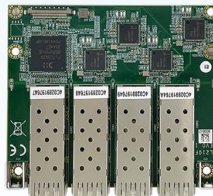
- Supports PCIe or USB signal via SSL connector with Micro Coaxial Cable



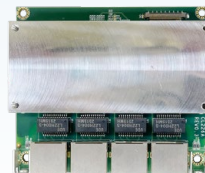
CL210A



CL210P



CL210F



CL226A



ME225A



CN063



CU006-S

The TERA 2I740AW 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 control applications.



TERA 2I740AW

Dimension: 145W x 102.4D x 56.5H 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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