



Main Features

- Intel Atom® x6413E processor SoC, BGA type
- 1 x SODIMM DDR4 3200 8GB module
- 1 x 40GB SSD module
- 1 x RJ45 console port
- 2 x USB 3.0
- 3 x 1GbE RJ45 with 1 combo port
- Dual Wi-Fi 6E
- Dual LTE/5G
- Dual DC (9~36VDC)
- Supports OOB

Product Overview

NEXCOM's ISA 141, powered by Intel's quad-core Atom® processor, is a compact, fanless ICS security appliance equipped with three 1GbE ports for network connectivity with one combo port. It also supports dual Wi-Fi and dual 5G connectivity that offers ICS wireless protection for OT machines, IoT sensors, AGV/AMR, and other essential equipment for Industry 4.0. The compact DIN rail design allows ISA 141 to be easily embedded in existing network infrastructure; while OOB management function let IT personnel maintain the devices remotely.

Specifications

Main Board

- Intel Atom® x6413E processor, 4 cores, 1.5M cache, 1.50 GHz
- TPM 2.0 onboard

Main Memory

- 1 x SODIMM 3200 8GB memory module

Storage

- 1 x 16GB eMMC
- 1 x 40GB 2242 SSD module

Interface External

- 3 x 1GbE RJ45 ports
 - with 1 Combo port
- 1 x RJ45 Console Port
- 2 x USB3.0 Ports
- 1 x TPM2.0
- Power & Reset Button
- LED: SYS/PWR1/PWR2/SSD/LTE 5G 1,2/WIFI 1,2
- 1 x ground screw
- 4 x Nano SIM slots

Interface Internal

- 2 x mini-PCIe slots for Wi-Fi 6E modules
- 2 x M.2 3042 Key B slots for LTE/5G modules

Power

- Dual DC (9~36VDC)

Dimension and Weight

- Chassis dimension (mm): 165 x 129.4 x 68.95mm (W x D x H)
- Package dimension (mm): 300 x 242 x 190mm
- Without package: 1.8kg
- With package: 2.6kg

Environment

- Operating temperature: -20°C~60°C
- Storage temperature: -40°C~80°C
- Relative humidity: 0%~95% non-condensin

Certifications

- CE/FCC Class A

Ordering Information

• ISA 141 (P/N: 10L10014100X0)

Intel Atom® x6413E processor, BGA type, 4 cores, 1 x SODIMM 8GB memory module, 3 x 1GbE RJ45 ports with 1 combo port