

ISA 140

Fanless Industrial Security Appliance in a Compact DIN Rail Form Factor
with Intel Atom® Processor and 6 x 1Gbe RJ45 Ports



Main Features

- Intel Atom® x6212RE (Elkhart Lake) industrial grade processor
- 1 x DDR4 SODIMM slot and support up to 16GB 2400/2667/3200 MT/s
- Storage eMMC up to 8GB for OS
- Storage M.2 Key B slot, supports 2242 for data storage
- 6 x 1Gbe RJ45 with 1 x bypass pair
- 1 x M.2 3042 Key B with USB signal
- 1 x Micro SIM slot
- 1 x Minicard full size with PCIe & USB signal
- Supports OOB

Product Overview

NEXCOM's ISA 140, powered by Intel's latest dual-core Atom® processor, is a compact, fanless industrial security appliance equipped with six 1GbE ports for network connectivity. It also supports seamless Wi-Fi/LTE connectivity and OOB remote management, and operates in settings with wide temperature ranges. The compact DIN rail design allows IT personnel to easily embed ISA 140 in existing network infrastructure without affecting manufacturing equipment productivity.

Specifications

Main Board

- Intel Atom® x6212RE (Elkhart Lake) industrial grade processor
- TPM 2.0 onboard

Main Memory

- 1 x DDR4 SODIMM slot support 2400/2667/3200 MT/s up to 16GB

Storage

- Storage eMMC up to 8GB for OS
- Storage M.2 Key B slot, support 2242 for data storage

Interface External

- 6 x 1GbE RJ45 with 1 bypass pair
 - 1 port with OOB support
- 1 x Micro SIM slot
- LED indicator for bypass/LTE/Wi-Fi/SYS/SSD/PWR
- 1 x HDMI
- 1 x Power button
- 1 x Reset button
- 1 x RJ45 for console
- Dual terminal block
- 4 x SMA antenna holes
- 2 x USB 3.0

Interface Internal

- 1 x DDR4 SODIMM slot
- 1 x M.2 2242 Key B slot

- 1 x M.2 3042 Key B slot
- 1 x Minicard full size slot

Power

- Dual DC (9~36VDC)

Dimension and Weight

- System size: 165 x 61.7 x 129.25 mm
- Packaging size: 305 x 245 x 195 mm
- Weight without packaging: 1.3kg
- Weight with packaging: 2.19kg

Environment

- Operating temperature: -30°C~70°C
 - Up to 70°C without M.2 SSD and wireless modules
 - Up to 60°C with M.2 SSD
 - Up to 40°C with LTE and Wi-Fi modules
- Storage temperature: -40°C~85°C
- Relative Humidity: 5%~95% non-condensing

Certifications

- CE/FCC Class A

Ordering Information

- **ISA 140 (P/N: 10L10014000X0)**
Intel Atom® x6212RE (Elkhart Lake) processor, with 6 x 1GbE RJ45 with 1 x bypass pair

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Industrial Grade Platform

NEXCOM

We reserve the right to change specifications and product descriptions at any time without prior notice.

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