

DNA 140

AI-in-a-Box Desktop Appliance for Cyber Security and Edge Applications
w/ Intel Atom® x7000RE/E/C, 4 x 2.5GbE Copper Ports, Wi-Fi and Dual 5G



Main Features

- ♦ Intel Atom® x7000RE/E/C processor
- ♦ 1 x SO-DIMM slot for DDR5, 4800 MT/s, ECC/non-ECC, up to 16 GB
- ♦ eMMC 32GB onboard
- ♦ 4 x 2.5GbE RJ45 ports
 - 2 x PoE+ ports, supports up to 30W (802.3at) (optional)
- ♦ 1 x 1GbE management port
- ♦ 2 x M.2 3042/3052 for LTE/5G FR1 modules
- ♦ 1 x mini-PCIe for AI card or Wi-Fi module
- ♦ 1 x M.2 2242 SATA SSD
- ♦ TPM 2.0 onboard

Product Overview

DNA 140 is NEXCOM's latest AI-in-a-Box network appliance, built on the newest Intel Atom® processors x7000RE/E/C Series. It features four 2.5GbE LAN ports to fulfill the demand for multi-media or small-to-mid business data transmission. DNA 140 is a compact yet powerful device, a game-changer offering a robust foundation for AI-driven applications, fast and secure data transfer, and efficient edge computing. Its adaptability and feature-rich design make it an ideal choice for businesses to seamlessly integrate AI capabilities into 5G, SD-WAN, SASE, and Edge computing fields.

Specifications

Main Board

- ♦ Intel Atom® x7433RE CPU, 4 cores
 - Compatible with Intel Atom® x7000RE/C (formerly Amston Lake) and x7000E (formerly Alder Lake-N) CPU, up to 8 cores, 12W
- ♦ TPM 2.0 onboard

Main Memory

- ♦ 1 x SO-DIMM slot for DDR5, 4800 MT/s, ECC/non-ECC, up to 16 GB

Storage Device

- ♦ eMMC 32GB onboard
- ♦ 1 x M.2 2242 for SATA SSD

Interface External

- ♦ Button: Power/Reset/NEXBOOT
- ♦ LED: PWR/Sys/Storage/NEXBOOT/LAN/MGNT
- ♦ 1 x USB 3.0 port
- ♦ 1 x RJ45 console port
- ♦ 4 x 2.5GbE RJ45 ports
 - 2 x PoE+ ports, supports up to 30W (802.3at) (optional)
- ♦ 1 x 1GbE management port
- ♦ 2 x SIM slots
- ♦ 10 x Antenna holes (8 x antennas for 5G/LTE, 2 x antennas for Wi-Fi)

Interface Internal

- ♦ 1 x M.2 3052 Key B slot for LTE/5G FR1 module
- ♦ 1 x M.2 3042/3052 Key B slot for LTE/5G FR1 module
- ♦ 1 x mini-PCIe slot for AI card or Wi-Fi module
- ♦ 1 x M.2 2242 Key M slot for SATA SSD

Power

- ♦ 1 x 65W 12V DC-in power adapter
- ♦ 72W 54W DC-in power adapter for PoE (optional)

Dimensions and Weight

- ♦ Chassis dimension: 255 x 150 x 44 mm
- ♦ Carton dimension: 343 x 258 x 212 mm
- ♦ Without packing: 1.5 kg
- ♦ With packing: 2.5 kg

Environment

- ♦ Operating temperature: 0°C~40°C
- ♦ Storage temperature: -20°C~80°C
- ♦ Relative humidity: 10%~90% non-condensing

Certifications

- ♦ CE/FCC Class B (without Wi-Fi, 5G modules)

Ordering Information

- ♦ **DNA 140 (P/N: 10L00014000X0)**
Intel Atom® x7433RE processor, 4 cores, 4 x 2.5GbE RJ45 ports,
1 x 65W 12V DC-in power adapter

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Desktop Platform

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

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