DNA 1170A

Desktop Cyber Security Appliance
w/ Intel Atom® Processor C5325,
8 x 1GbE Copper and 4 x 10GbE Fiber Port



Main Features

- Intel Atom® processor C5325, w/ Intel® QAT, BGA type, TDP 41W
- 2 x DDR4 SO-DIMM, up to 16GB
- 4 x 10GbE SFP+ port
- 8 x 1GbE RJ45 LAN port
  (with 2-pair bypass (default: standard NIC mode))
- 1 x 2.5GbE RJ45 management port
- 1 x M.2 Key M 2242 SSD (SATA 3.0)
- 2 x 2.5" SATA SSD (optional)
- 1 x 65W 19V AC power adapter
- Support Wi-Fi/LTE/5G (reserved for ODM)

Product Overview

DNA 1170A is NEXCOM cyber security appliance offering server-grade performance in a desktop form factor. Powered by Intel Atom® C5325 (formerly: Parker Ridge) processor with up to 8 cores and embedded Intel® QAT feature, it features eight 1GbE copper and four 10GbE fiber ports to meet various requirements for fixed wired connectivity. Optional features such as storage expansion with a 2.5" SSD and enabling bypass function on four 1GbE RJ45 ports broaden the available use cases and application scenarios.

Specifications

Processor

- Intel Atom® processor C5325, w/ Intel® QAT, BGA type, TDP 41W

Memory

- 2 x DDR4 2933 SO-DIMM, up to 16GB

Storage

- 1 x M.2 Key M 2242 SSD (SATA 3.0)
- 2 x 2.5" SATA 3.0 SSD (optional)

I/O Interface External

- Button: Power and Reset
- LED: Status/MGMT/PWR1/PWR2/SSD/LAN
- 1 x RJ45 console port
- 3 x USB 3.2 port
- 1 x 2.5GbE RJ45 management port
- 8 x 1GbE RJ45 LAN port
  - with 2-pair bypass (default: standard NIC mode)
- 4 x 10GbE SFP+ port
- 1 x Fixed fan
- 6 x Antenna connector (reserve for ODM)

I/O Interface Internal

- 1 x TPM (optional)

Power Supply

- 1 x 65W 19V AC power adapter
  - (1+1) Redundant power supply

Mechanical

- Chassis dimension: 340 mm (W) x 250 mm (D) x 44 mm (H)
- Package dimension: 436 mm (W) x 346 mm (D) x 198 mm (H)
- Without packing: 2.9 kg
- With packing: 4.3 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

Ordering Information

- **DNA 1170A (P/N: 10L00117001X0)**
  Intel Atom® processor C5325 (formerly: Parker Ridge), w/ Intel® QAT, BGA type, 8 cores/TDP 41W, w/ 4 x 10GbE SFP+ & 8 x 1GbE RJ45 port (4 x 1GbE RJ45 port with 2-pair bypass (default: standard NIC mode))

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