



Main Features

- Cavium CN7010 1.2GHz single core CPU bases on cnMIPS64
- On-board 1GByte DDR3 (4x128Mx16bit). Upgradable to be up to 2GBytes
- On-board 4GBytes eMMC. Upgradable to be up to 8GBytes
- Flexible design on WAN and DMZ ports by combo Copper/Fiber connector
- Dual power DC input selections by Industrial Phoenix 3-pin type (12V-72V DC) or standard coaxial power type (12V DC)
- Compact and Fanless mechanical design
- Supports multiple mounting type: din rail, rack mount shelf, desktop and wall mount

Product Overview

DNA 1510 is a highly-integrated design for industrial firewall application. The CPU is MIPS64® processor with single-core cnMIPS™ III at 1.2GHz which provides highest performance capability for packet processing and network security. WAN and DMZ provides flexible design which support Copper/Fiber combo connector. Compact and flexible design is easier to fulfill different requirements and applications.

Specifications

CPU

- Cavium CN7010 cnMIPS™ III 1.2GHz single core CPU bases with 78KB I-Cache and 32KB D-Cache
- Integrate 512KB four-way set-associative L2 cache
- Integrate hardware cryptographic and CRC acceleration
- Integrate hardware packet-processing acceleration

Memory

- On-board 1GByte DDR3 (4x128Mx16bit). Upgradable to be up to 2GBytes
- On-board 4GBytes eMMC. Upgradable to be up to 8GBytes

Ethernet

- One GbE combo WAN (RJ45+SFP) and one GbE combo DMZ (RJ45+SFP) via Marvell 88E1322
- Four GbE copper LAN (RJ45) via Marvell 88E6350R

Other I/Os

- One USB 3.0 host
- One USB 2.0 host
- One Micro SD card reader with protective cover
- One RJ45 console supports to connect with serial modem for remote management

Indicators and Buttons

- LEDs for power, Alert, WAN, DMZ, LAN and USB
- One factory default button
- One system reboot button

HW Monitor

- Support HW monitor features via two thermocouples and six voltages Sensors

Power Input (either one)

- External wall-mounted AC to DC power adapter
 - Power input: 100V~240VAC
 - Power output: 12V/24W
- DC to DC power input: DC12V ~72V

Physical Characteristics

- Housing: metal
- Dimensions: 160mm x 120mm x 66mm
- Weight: 1.8kg
- Installation: tabletop, rack mount, din rail, wall mount

Environment

- Operation temperature: -40°C~75°C
- Storage temperature: -40°C~85°C
- Humidity: 5 to 90% (non-condensing)

Certifications

- FCC
- CE/CB

Ordering Information

• DNA 1510 (P/N: 10L00151000X0)

Fanless industrial grade desktop Cavium processor CN7010 1C/1.2GHz, 1GB DDR3, 4GB eMMC, with 2 GbE combo WAN (RJ45+SFP) and 4 GbE switch LAN ports, operation temperature: -40°C~75°C