

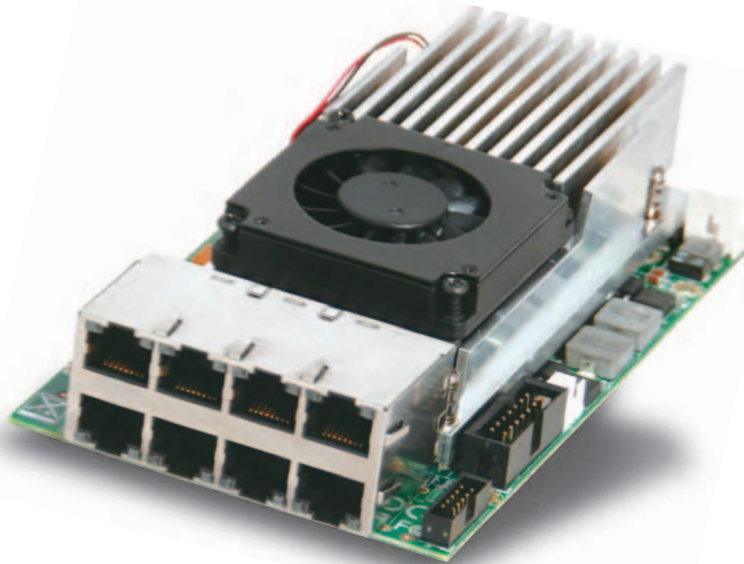


NIP-61080

8-/4-port Network Processing Unit built with Cavium Octeon™ Plus CN5640/CN5430 Processors

FEATURE

- Comprehensive acceleration for compression/decompression, encryption/decryption, pattern matching, TCP-offload, QoS etc. via Cavium Octeon™ Plus CN5640 processor (NIP-61080).
- Best compression performance of up to 6Gbps
- Best security acceleration for IPsec/SSL and TCP of up to 16Gbps/2GBps
- 8 MIPS64 processor cores (NIP-61080)
- 8 10/100/1000 GbE ports with RJ45 connectors (NIP-61080)
- One DDR2-800 miniDIMM slot supports ECC reg. memory up to 1GB
- Proprietary PCI-E x8 interface (x4 signal) for host connection.
- Pin out for USB and console for testing and debugging.



SPECIFICATION

| | |
|-----------------------|--|
| Model | NIP-61080 |
| Form Factor | Caswell Proprietary PCI-E module for NAR-7100, CAR-4000, CAR-4010 & CAR-5000 series. |
| Processor | Cavium Octeon™ Plus CN5640-600BG1217-NSP-G |
| Ethernet Port | 8x RJ45 GbE ports |
| Memory | – One miniDIMM socket – Supports ECC registered DDR2-800 up to 1GB. |
| Operating Environment | Temperature 5 ~ 40 °C Humidity 20~ 95% RH |
| Storage Environment | Temperature -20 ~ 70 °C Humidity 5 ~ 95% RH |
| Security | IPsec & SSL |
| Dimension | 85 x 150 x 36 mm |
| Launch date | Jun., 2010 |

| | |
|-----------------------|--|
| Model | NIP-61040 |
| Form Factor | Caswell Proprietary PCI-E module for NAR-7100, CAR-4000, CAR-4010 & CAR-5000 series. |
| Processor | Cavium Octeon™ Plus CN5430-600BG1217-NSP-G |
| Ethernet Port | 4x RJ45 GbE ports |
| Memory | – One miniDIMM socket – Supports ECC registered DDR2-800 up to 1GB. |
| Operating Environment | Temperature 5 ~ 40 °C Humidity 20~ 95% RH |
| Storage Environment | Temperature -20 ~ 70 °C Humidity 5 ~ 95% RH |
| Security | IPsec & SSL |
| Dimension | 85 x 150 x 36 mm |
| Launch date | Sep. 2010 |

ORDERING GUIDE

| Model | Cavium Processor | MIPs Core | GbE Port |
|-----------|------------------------|-----------|----------|
| NIP-61080 | CN5640-600BG1217-NSP-G | 8 | 8 |
| NIP-61040 | CN5430-600BG1217-NSP-G | 4 | 4 |