

# NCP-5120(B)

## Dual Cavium OCTEON MIPS64 Multi-Core Processor-based Network Appliance



### Features

- Dual Cavium OcteonPlus CN5860-SCP 800 MHz, MIPS64 Processors with 16 Cores each
- Supports Security and de-/compression engine
- Up to 20 Gigabit Ethernet ports
- Supports one 64-bit/66 MHz PCI-X slot
- Supports one 2.5" SATA HDD

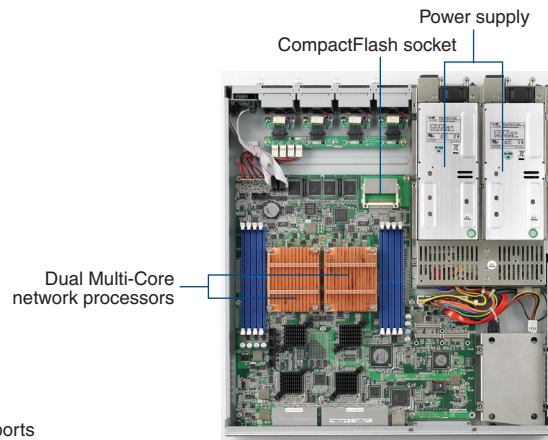
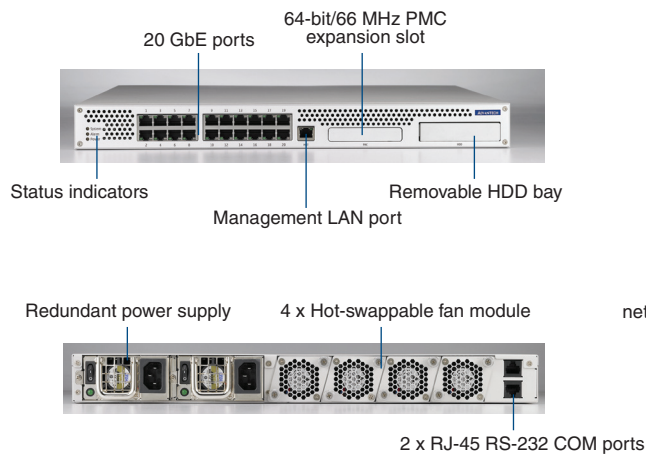
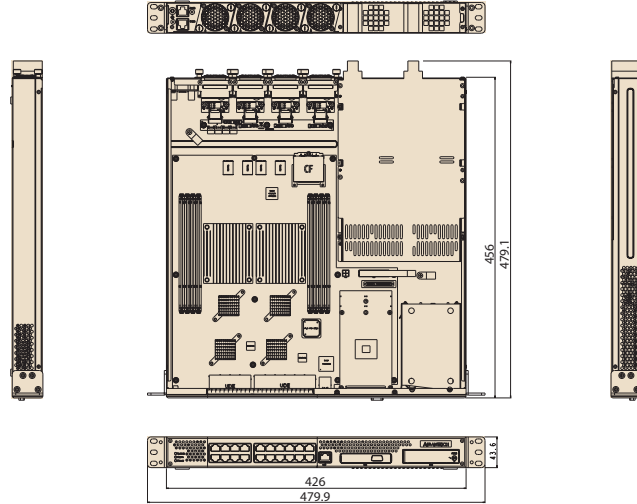


### Specifications

Processor System	Processor	Cavium Octeon CN5860 (SCP)	
	Max Speed	800 MHz	
	Processor Cores	16	
	Encryption Engine	Yes	
	TCP Acceleration	Yes	
	Inter Processor Communication	* Data plane, multi-channel SPI 4.2 between OCTEON processors * Control plane, PCI-X 64/66 Primary configured as host and secondary as target mode)	
System Memory	Memory Socket	Eight 240-pin DIMM slots	
	Memory Type and Capacity	ECC registered DDR2 400 MHz DIMMs, up to 8 G per processor	
Boot Flash	Flash Type	4 x S29GL01GP	
	Max Flash Size	4Gb	
Networking Interface	Data Port Controller	Intel® IXF1024 10-port 10/100/1000 Gigabit Ethernet MAC x 2	
	Ethernet Data Port	10/100/1000 Mbps ports x 20 with LED indicators. Support 802.1Q and 802.1P in software and CPLD	
	Management Port Controller	Intel® 82546 PCI-X 64/66 GbE LAN	
	Management Port	10/100/1000 Mbps port x 2 with LED indicator, support 802.1Q and 802.1P	
Expansion	PMC Slot	One 64-bits/66MHz PCI-X Slot	
Storage System	Controller	Silicon Image SiI3124-II SATA PCI-X 64-bits/66 MHz	
	Storage Interface	One 2.5" SATA removable HDD tray	
		One CF slot up to 16GB	
I/O Interface	Serial Port	RJ-45 RS-232 x 2, one for each processor	
	Debug Port	JTAG pin header x 2, one for each processor	
Power	Type/Watt	1 + 1 redundant hot-swappable SPS / 250W + 250W	
	Input	AC 90 ~ 264 VAC Full Range	
Cooling	CPU Heatsink	Passive Copper Fin Heatsink	
	FAN	4 x hot-swappable fans	
SW Support	Bootloader	Cavium SDK 1.7.2 U Boot 1.1	
	Operating System	Debian Linux Kernel 2.6.14 MIPS	
Physical Dimnsions	Dimension	426 (W) x 418 (D) x 44 (H) mm (16.8" x 17" x 1.7")	
	Weight	8.2 Kg	
Environment	Operating Enviroment	Temperature	Humidity
		0 to 40° C	20% to 90 % RH
	Storage Temperatures	-20 to 70° C	5% to 95 % RH
Compliance	EMC/Safety	CE/ FCC/ UL/CB	

## Dimensions

Unit: mm



## Ordering Information

Part Number	CPU	Manager port	Ethernet port
NCP-5120-CCABE	CN5860 (SCP)/800 MHz	2	20