

Model No : GN6-26L Giga Ethernet Network Appliance Module



Key Feature :

- CPU- Cavium Octeon 3010-500Mhz BGSCP (MIPS64 SoC)
- Flash-8 MB (CF Socket for expansion)
- DRAM : 1GB (16bit-DDR2 – 533)
- Mini PCI-
 - 2 mini PCI Slot
 - High profile Socket (9.2mm in height)
 - Support hi-power, up to 7 watt
 - Provide both 3.3V and 5V power source
 - Support mini PCI module with extra length, up to 65mm
- Support Real-time-clock
- Provide USB 2.0 Connector
- Provides JTAG
- Console port with RS232 –DB9 connector
- 4 LEDs, indicate Power *1 , mini PCI status *2 , Status * 1
- Support Over voltage protection
- 5V pins power output (ex: Fan Control)
- Temperature Sensor – enable application to read board temperature for further system control

About Cavium Octeon

Cavium OCTEON 3010-500BGSCP of MIPS64 SoC (System on Chip) Processor architecture, integrates the enhanced features, such as DDR II memory , Gigabit Ethernet, USB2.0 controllers..The Cavium OCTEON 3010-500BGSCP - integrates next-generation networking I/Os along with the most advanced security and application hardware acceleration.



LanReady Technologies Inc.

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This technology is the industry's first implementation of the new MIPS64 release 2 instruction set, developed from the ground up for the highest networking and services performance with very low power consumption. Security hardware acceleration in the CN3010-500BGSCP implements the latest set of algorithms, including AES-GCM and SHA-2(up to SHA-512) to enable future-proof designs.

Application Acceleration

The CN3010-500BGSCP is an ideal networking solution for high-throughput Unified Threat Management (UTM) Appliances. Built-in Firewall, IPsec and SSL VPN, Intrusion Detection and Anti-Virus scanning capabilities, provide a best-in-class platform to build your next generation appliance. Further.

Application :

- UTM Server /Firewall
- Load Balancer
- Internet WAN Flow Controller
- Access Service Controller
- Wireless Switch

Model Number	GN6-26A	
Platform-OCTEON	Processor	CN3010 -500BG SCP
	Speed	500MHz
	Processor Cores	1
	Max. Instruction per Second	800M
	Embedded Encryption Engine	Yes
	L2 Cache	64KB
	TCP Acceleration	Yes
DRAM	On board Memory (16Bit-DDR2-533)	1GB
Flash	On board Capacity on board	8 MB
CF Slot	Compact Flash(type-II)	1
Networking	WAN GbE (RJ45)	2 GbE (RJ45) – Vitesse 8601
	LAN GbE	4 GbE (RJ45) – Vitesse 7385
I/O Interface	RS232	DB9 – Consol 1



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	USB2.0	1
Mini PCI	Mini PCI (High Profile)	2 (up to 7W , support 3.3/5V)
JTAG		Yes
RTC		Support Real-Time-Clock
UART		1 (optional)
LEDs	Power * 1 Mini PCI Status * 2 System Status * 1	4
Temperature Sensor		On Board
5V Pins		Yes
Over Voltage Protection	Ethernet DC Jack	Yes
DC		12VDC @ 3A
Environment Parameters	Temperature ,Ambient Operating	0 -40°C
	Temperature ,Ambient Storage	-20 -75°C
	Humidity(RH),Ambient Operating and Non-Operating	5% - 95% , non condensing
Board Dimension		200mm x 181.4mm(LxW)
Housing (Optional)		330 x 204x 44 mm (LxWxH);13" in width