



**Key Feature :**

- CPU- Cavium Octeon 3010-500Mhz BGSCP ( MIPS64 SoC )
- Provide 4 \* IEEE 802.3at ( 30W per port )
- 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.

3F, No.166, Sinhu 2nd Rd., Neihu District, Taipei City 114, Taiwan, R.O.C.  
TEL: (02) 2796 8188 FAX: (02) 2796 8158 ID:80408803

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.

### About PoE Plus

PoE Plus (IEEE802.3at) is the new standard to increase the maximum power rating to 30 watt to fit the needs of greater power consumption applications, such as WiMax base stations, High Power Access Point, WiFi notebook, video phones, and motorized cameras.

### Application :

- Wireless Switch
- Access Service Controller
- Hot Spot Gateway

Model Number	GN6-26SL	
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



## LanReady Technologies Inc.

3F, No.166, Sinhu 2nd Rd., Neihu District, Taipei City 114, Taiwan, R.O.C.

TEL: (02) 2796 8188 FAX: (02) 2796 8158 ID:80408803

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) 802.3at PoE – Vitesse 7385
PoE Plus		Max Power : 30W Voltage Range : 50-57V Max Current : 720mA Power Delivery : 2 pairs Classification: Layer 1 and Layer 2LLDP PSE Type : Ethernet Switch Installation : Endspan only
I/O Interface	RS232	DB9 – Consol 1
	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



## LanReady Technologies Inc.

3F, No.166, Sinhu 2nd Rd., Neihu District, Taipei City 114, Taiwan, R.O.C.  
TEL: (02) 2796 8188 FAX: (02) 2796 8158 ID:80408803