

FEATURE
DESCRIPTION

Form Factor		2U Rackmount
		Dual mainboard system
		Modular - field-replaceable modules
x86 Platform	Processor	Supports Intel Conroe 2M and Cedar Mill CPUs, LGA775
	Chipset	Intel Q965 + ICH8B
	System Memory	Dual-Channel DDR2 533/667/800 MHz
	Memory Socket	2 x 240P DIMM socket
	Storage Interface	SATA II x 3 (2 via mid plane)
		Super IO, 1~255
	BIOS	Award Plug & Play BIOS on 8M Flash ROM
NPU Platform	Processor	Supports Cavium OCTEON CN5860 or CN3860
	System Memory	4 x DDR2 533/667/800 MHz DIMM (CN38XX : 2 x 667MHz or 4 x 533MHz) (CN58XX : 4 x 533/667/800MHz)
	Memory Socket	4 x 240P DIMM socket
	Database memory	4 x 16MB RLDRAM (optional)
	Bootloader	128Mb Flash bootloader (optional)
	Watchdog Timer	Winbond W83792G
Network Modules	Form Factor	Swappable I/O modules installed from front of chassis
	Ports	12 port RJ-45 10/100/1000 Mbps or SFP Fibre ports per module
	Controller	MindSpeed M22521 MARVELL Quad PHY 88E1145 D0 LATTICE CPLD LCMXO1200
Mainboard Interconnects	x86 and NPU Boards	PCI-E x 4 interface through standard connectors
	Network Modules	SPI4 interface through high-density DMZ connector
	Power	Proprietary power connector via mid plane
System Storage	Capacity	Supports 1 x 3.5" SATA HDD + 1 x 2.5" SATA HDD
Front I/O		1 x Console, 1 x Admin, 2 x USB 2.0, 1 x VGA
LCD Display		2 line 16 character alphanumeric LCD
Operating System		Linux kernel v.2.6.16 or later
Cooling	System Fans	3 x swappable fan assemblies at rear 4 x fan connector (3 pin)
	Fan Control	SmartFan Control via Winbond 83627
Environmental Parameters	Temperature, ambient operating / storage	0°C ~40°C / -20°C~70°C
	Humidity (RH), ambient operating and non-operating	5 ~ 95%, non condensing
Power Supply	Watts	2 x swappable 460W Zippy R2W-6460P
	Service	In-rack replaceable
Physical Dimensions	Dimensions	442x88x630 mm (17.4x3.7x24.8 in)
	Weight	20 kg (44.1 lbs)
Compliance		CE Emission, FCC Class A, RoHS

The FW-9100 accelerates network applications with unparalleled flexibility, reliability and performance.



Hot-swappable front-access I/O modules



Field-replaceable mainboard trays



Replace fans and power supplies without removing from rack



Optimized Airflow Design



Cavium Octeon mainboard



x86 mainboard



12 Port LAN Module

About Lanner

Founded in 1986 and publicly listed (TAIEX 6245) since 2003, Lanner Electronics Inc. is an ISO 9001 certified designer and manufacturer of reliable, frontline security, storage and applied computing platforms and solutions. With headquarters in Taipei, Taiwan and branches in Germany, U.S., India, and China, Lanner is uniquely positioned to deliver custom technical solutions with localized, value-added service.

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TwinTurbo 9100 Network Acceleration Appliance

Dual-Mainboard Network Communication Appliance with Dedicated Cavium Acceleration Board

Accelerate your network

TwinTurbo 9100 offers a robust platform for network acceleration applications along with a flexible, modular design incorporating field replaceable components for quick upgrades and convenient field replacement. A performance-optimized x86 SBC mainboard with support for Intel® Core 2 Quad CPUs handles core network applications, while the dedicated Cavium Octeon MIPS64 multi-core processor accelerates applications for intelligent networking.

TwinTurbo 9100 is equipped to handle extremely high throughput required by enterprise-class networks, with 24 front-facing network ports, 12 port RJ-45 10/100/1000 Mbps or SFP Fibre ports per module.

A performance-optimized x86 mainboard with support for Intel(R) Core 2 Quad CPUs handles core network applications, while the dedicated Cavium Octeon MIPS64 multi-core processor accelerates applications for intelligent networking.

Best-in-class application acceleration

Achieve industry-best performance for a variety of security and network acceleration applications by offloading acceleration tasks to the powerful Cavium Octeon CN5860 MIPS64 processor. Cavium Octeon processors provide the industry's most scalable, highest-performance, and lowest-power solution for intelligent networking applications ranging from 100Mbps to full-duplex 10Gbps.

Up to 24 front facing Ethernet ports

Choose from a wealth of customizable network interfaces including GbE copper, SFP fibre and bypass enabled ports for maximum throughput and high availability.

Faster time to market with x86 architecture

Develop network acceleration applications on x86 architecture to reduce time to market and allow for convenient system upgrades.

Redundant power supplies

Protect your investment and eliminate down time with two high efficiency 460W power supply units.

