

# NR-9004

## 4-Bay Network Video Recorder

4-bay network video storage appliance based on the Intel® EP80579 Integrated Processor

### Highly integrated video storage platform

The NR-9004 integrates 4 x 3.5" SATA II hard drives together with best-in-class network connectivity to provide enhanced reliability, data redundancy and high availability for storage-intensive network video applications.

The NR-9004 addresses the issue of rapidly growing demand for IP video storage, and provides the convenience and efficiency of four RAID-enabled, removable 3.5" drives.

### Intel EP80579 Integrated Processor increases system performance

The NR-9004 is built around Intel's latest generation EP80579 integrated processor. The Intel EP80579 is a single chip solution which combines processor, north bridge and south bridge functions on the same chip, effectively eliminating internal bottlenecks and providing a faster and more reliable architecture with just one-third the real estate and power consumption.

### Feature Summary

#### Intel® EP80579 Integrated Processor

Deliver your next generation network application on best-in-class Intel architecture. Three performance SKUs - 600MHz to 1.2GHz - and integrated security engine deliver applications fast and securely.

#### Thermal Management

Based on the proven storage server design, the NR-9004 provides highly reliable thermal management. Passive CPU heatsink and an 92mm system fan provide necessary cooling and airflow for board and system stability.

#### Data Protection

Integrate RAID 0, 1, 5 and 10 levels to balance storage redundancy and performance in your application.

#### Low Power Consumption and RoHS Compliant

The onboard Intel EP80579 processor reduces total power consumption by 75% compared to a 3 chip solution.



FEATURE	DESCRIPTION	
<b>Form Factor</b>		Desktop
<b>RAID System</b>	Drive Bay(s)	4 x 3.5"
	Drive Interface	SATAII 3.0Gbps
	RAID Level	0, 1, 10 and 5
	Max. Capacity	4 TB
	Hot Swap	Yes
<b>Platform</b>	Processor and Chipset	Intel® EP80579 Integrated Processor
	Max Speed	1.2GHz
<b>System Memory</b>	Technology	DDR2 800/667/533/400 MHz ECC
	Max Capacity	4GB
	Socket	240P DIMM x 2
<b>OS Supported</b>		Windows Embedded XP, Red-hat Linux 5, FreeBSD 6.2
<b>Networking</b>	Ethernet Ports	3 GbE onboard
	Controller	Intel EP80579
<b>I/O Interface</b>	Console	RJ45 x 1
	VGA	VGA pin header (onboard)
	Keyboard and Mouse	Pin header (onboard)
	SATA	2 (supports SATADOM)
	Reset button	Back IO
	USB 2.0	2
<b>Cooling</b>	Processor	Passive CPU heatsink
	System	92m cooling fan x 1
<b>Environmental Parameters</b>	Temperature, ambient operating	0°C to 40°C (32 to 104°F)
	Temperature, ambient storage	-20°C to 55°C (-4 to 67°F)
	Humidity (RH), ambient operating and non-operating	5 to 95%, non condensing
<b>Miscellaneous</b>	Watchdog	Yes
	Internal RTC with Li Battery	Yes
<b>Physical Dimensions</b>	Dimensions (WxHxD)	160 x 214 x 235 mm (6.3 x 8.43 x 9.25 in)
	Weight	4.5 kg (9.2 lbs)
<b>Power</b>	Type / Watts	220W
	Input	AC 115~230V@50Hz~60Hz
	Output	220 Watts
<b>Compliance</b>		CE Emission, FCC Class A, RoHS
<b>Ordering Information</b>	System	NR-9004A: 1.2GHz NR-9004B: 1GHz NR-9004C: 600MHz



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### 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 the U.S. and China, Lanner is uniquely positioned to deliver custom technical solutions with localized, value-added service.

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