Versatile 939 board

I/Os on the board

Bundled items

SPECIFICATIONS

Chipset	Processor	Memory	Storage	Price
ULi M1695	AMD Socket-939 Athlon 64 / 64FX	4x DDR 400/333/266	2x ATA133 2x SATA 1x SATA II	RM 380

Chipset : ULi M1695 North Bridge, ULi M1567 South Bridge
Processor : Socket-939 AMD Athlon 64 and 64FX processors
Memory : 4x 184-pin DDR 400/333/266 SDRAM DIMMs
Storage : 2x ATA133, 2x SATA, 1x SATA II.
I/O : 1x floppy, 1x serial, 1x parallel, 2x PS/2, 8x USB 2.0 (4x ports via bracket), audio ports for 8-channel audio, 1x RJ-45 10/100 LAN
Expansion : 1x PCI Express x16, 1x PCI Express x1, 1x AGP 3.0 (1.5V, 8X/4X only), 3x 32-bit PCI, 1x Future CPU Port
Warranty : Two-years
Contact : Intranet Sdn Bhd
Telephone : (03) 7804 7878
URL : www.asrock.com

Available at
PLAZA LOW YAT
shopping centre

Platform-friendly Board

ON TEST	ASRock 939Dual-SATA2	BY friday13

Upgradeable future
The ASRock 939Dual-SATA2 motherboard may interest users who are looking for a versatile 939 board for their 64-bit AMD platforms. With a Future CPU Port installed on this motherboard, it can be upgraded to future platforms such as a 940-pin (M2) CPU simply by adding the required ASRock M2CPU Board and changing a few jumper settings.

On its own, the board supports Socket-939 AMD processors and is powered by a ULi M1695 chipset at the North Bridge, and a ULi M1567 for the South Bridge. The board provides four DIMM slots to support up to 4GB of DDR SDRAM with dual channel memory architecture support. The slots will support PC3200 (DDR400), PC2700 (DDR333) and PC2100 (DDR266) memory modules.

Another interesting feature is dual PCI Express and AGP support. The board can support either PCI Express x16 graphics cards or 1.5V AGP 8X/4X graphics cards, but obviously not both at the same time. Besides these two slots, the board also offers one PCI Express x1 and three PCI slots for further upgrades and expansion cards.

Support-friendly
The ASRock 939Dual-SATA2 also offers a host of storage device options including two ATA133 slots for supporting up to four IDE devices, two SATA ports plus one additional port for SATA II devices. No hot-plugging support is provided by the three SATA ports though.

The board provides an onboard AC97-compliant audio chipset that supports eight channels of audio for 7.1 speaker systems, and an onboard
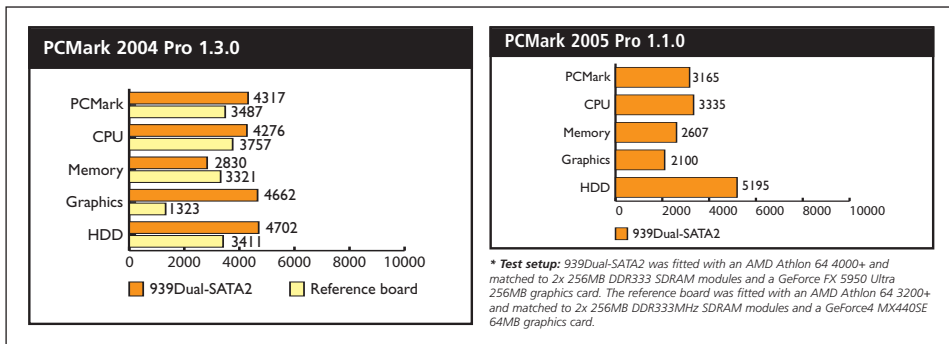
LAN chipset that runs at 802.3u speed (10/100 Ethernet) with Wake-On-LAN features.

Four USB 2.0 ports are also provided at the rear I/O panel. Two onboard headers on the ASRock 939Dual-SATA2 motherboard support four additional USB 2.0 ports via expansion brackets, or for use on any PC chassis that provides built-in USB headers.

In A Nutshell
The ASRock 939Dual-SATA2's jack-of-all-trades approach to hardware support is an interesting one, allowing users to mix and match various types of hardware and still get a workable PC platform. Though ordinary users may never notice this enhancement in their PCs, the modding and DIY community will most likely benefit most from this board's features.

OUR RESULTS

PCMark 2004 Pro 1.3.0

	939Dual-SATA2	Reference board
PCMark	4317	3487
CPU	4276	3757
Memory	2830	3321
Graphics	4662	1323
HDD	4702	3411

PCMark 2005 Pro 1.1.0

	939Dual-SATA2
PCMark	3165
CPU	3335
Memory	2607
Graphics	2100
HDD	5195

*****Test setup:** 939Dual-SATA2 was fitted with an AMD Athlon 64 4000+ and matched to 2x 256MB DDR333 SDRAM modules and a GeForce FX 5950 Ultra 256MB graphics card. The reference board was fitted with an AMD Athlon 64 3200+ and matched to 2x 256MB DDR333MHz SDRAM modules and a GeForce4 MX440SE 64MB graphics card.

HWM's Rating

Features: **9.0**
Stability: **8.5**
Performance: **9.0**
Value: **8.5**

HWM SILVER AWARD

A very versatile motherboard that supports various hardware platforms for improved compatibility

8.5

Overall Score | Out of 10