



memory express  
020 8453 9700

Memory Express Ltd  
51 Park Royal Road,  
London,  
NW10 7LQ

Tel: 020 8453 9700  
Web: [www.memory-express.co.uk](http://www.memory-express.co.uk)  
Email: [sales@memory-express.co.uk](mailto:sales@memory-express.co.uk)



## **Kingston ValueRAM 8GB (1x8GB) Memory Module 1333MHz ECC 240-pin Registered DIMM 1.35V Server Elpida C**

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ValueRAM's 1G x 72-bit (8GB) DDR3L-1333 CL9 SDRAM (Synchronous DRAM), low voltage, registered w/parity, 4Rx8 ECC memory module, based on thirty-six 256M x 8-bit DDR3L-1333 FBGA components. The SPD is programmed to JEDEC standard latency DDR3-1333 timing of 9-9-9 at 1.5V. This 240-pin DIMM uses gold contact fingers.

Warranty	Lifetime
Memory Size	8192MB (1 module(s) x 8192MB)
Memory Speed	1333MHz
Memory Package	DIMM
Pin Configuration	240 pins
Bus I/O Configuration	Registered
Error Correction	ECC

### **Features**

- \* JEDEC standard 1.35V (1.28V ~ 1.45V) and 1.5V (1.425V ~ 1.575V) Power Supply
- \* VDDQ = 1.35V (1.28V ~ 1.45V) and 1.5V (1.425V ~ 1.575V)
- \* 667MHz fCK for 1333Mb/sec/pin
- \* 8 independent internal bank
- \* Programmable CAS Latency: 9, 8, 7, 6
- \* Programmable Additive Latency: 0, CL - 2, or CL - 1 clock
- \* Programmable CAS Write Latency(CWL) = 7 (DDR3-1333)
- \* 8-bit pre-fetch
- \* Burst Length: 8 (Interleave without any limit, sequential with starting address 000 only), 4 with tCCD = 4 which does not allow seamless read or write [either on the fly using A12 or MRS]
- \* Bi-directional Differential Data Strobe
- \* Internal(self) calibration : Internal self calibration through ZQ pin (RZQ : 240 ohm - 1%)
- \* On Die Termination using ODT pin



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- \* On-DIMM thermal sensor (Grade B)
- \* Average Refresh Period 7.8us at lower than TCASE 85 °C, 3.9us at 85 °C < TCASE < 95 °C
- \* Asynchronous Reset
- \* PCB : Height 1.180 inch (30.00mm), double sided component

## Specification

## General

ValueRAM's 1G x 72-bit (8GB) DDR3L-1333 CL9 SDRAM (Synchronous DRAM), low voltage, registered w/parity, 4Rx8 ECC memory module, based on thirty-six 256M x 8-bit DDR3L-1333 FBGA components. The SPD is programmed to JEDEC standard latency DDR3-1333 timing of 9-9-9 at 1.5V. This 240-pin DIMM uses gold contact fingers.

Warranty	Lifetime
1	2
3	4
5	6
7	8
9	10
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81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

## Memory

Memory Size	8192MB (1 module(s) x 8192MB)
Memory Speed	1333MHz
Memory Package	DIMM
Pin Configuration	240 pins
Bus I/O Configuration	Registered
Error Correction	ECC
CAS Latency	CL9
Connector Material	Gold

## Electrical

**Voltage** 1.35V

## Environmental

<b>Operating Temperature</b>	0 to 85C
<b>Non Operating Temperature</b>	-55 to +100C



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### **About Memory Express**

Although we started out selling just Memory the best part of fifteen years ago, we have diversified organically over the years at the request of our customers. We specialise in Networking, Storage and Disaster Recovery and have the knowledge, experience and strategic partnerships to provide you with the service and value you demand - quality products, reasonably priced and delivered on time.

Memory Express can offer you a full range of installation and configuration services for hardware and software as well as detailed, accurate advice on all aspects of your IT projects. You'll be glad to know that we don't have a room full of school leavers trying to sell products they don't understand - all our staff are seasoned IT specialists and have an average length of service of over ten years. We won't just push you towards the solution we feel like selling; we'll help you to find the one you need.

Meanwhile, online, we offer one of the largest product ranges of any UK IT supplier. Showing near live stock, in depth product information and keen pricing, we're sure you'll find what you need. We also have matched memory upgrades for over 50,000 models of computer, server, printer, phone and camera, guaranteeing you the right memory, first time. All this is backed up by the same great service you'd expect when dealing with us over the phone. For our regular business customers, we provide T3, our corporate purchasing portal which provides a truly corporate focused buying experience.

We're conveniently located in Park Royal, London's Technology Business Park, allowing us to reach all areas of the UK quickly and efficiently. Many of our City based corporate clients benefit from same day delivery and we can offer next day delivery to established customers throughout the British Isles. Online delivery tracking and status information means that you need not worry about the whereabouts of your order.

We're proud to have built up a wide variety of partnerships with quality vendors and many of our staff hold certifications from top tier manufacturers including Microsoft, Acronis, Symantec and VMWare.

Our clients vary in size from SMEs to many of the UK's largest corporates, government departments, schools and universities, and we're pleased to say that most have been our customers for many, many years - we believe in long term business relationships, not turning a quick profit. Why not contact us now to see how we can help you get the quality of service they already enjoy?