




# Computer Memory Test Labs Final Report

| <u>MOTHERBOARD</u>  | <u>MANUFACTURER</u>              | <u>CHIPSET</u>                                 | <u>TEST NUMBER</u> | <u>TEST STATUS</u>   |                  |            |   |          |
|---|----------------------------------|--|--------------------|--|------------------|------------|---|----------|
| D945GCL   | Intel                            | Intel D945G Express                            | 014862             | PASSED   |                  |            |   |          |
| <u>MODULE INFORMATION</u>   |                                  |  |                    | <u>Compatibility Ranking Level</u>   |                  |            |   |          |
| Manufacturer Name: <b>Buffalo</b>   |                                  | Module ID: <b>BUF231</b>                       |                    | <table style="width: 100%;"> <tr> <td style="text-align: center;"><b>Certified</b></td> <td style="text-align: center;"><b>CRL</b></td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;"><b>4</b></td> </tr> </table> | <b>Certified</b> | <b>CRL</b> |  | <b>4</b> |
| <b>Certified</b>  | <b>CRL</b>                       |  |                    |  |                  |            |   |          |
|  | <b>4</b>                         |  |                    |  |                  |            |   |          |
| Part #: <b>D2U667C-1GEJJ</b>  |                                  | Cas Latency: <b>5</b>                          |                    |  |                  |            |   |          |
| MB: <b>1GB</b>  |                                  | Dual Die Package: <input type="checkbox"/>     |                    |  |                  |            |   |          |
| Config: <b>128M x 64</b>  |                                  | Env. Code <b>RoHS</b>                          |                    |  |                  |            |   |          |
| DRAM: <b>Elpida</b>   |                                  | Bank: <b>2</b>                                 |                    |  |                  |            |   |          |
| DRAM Part #: <b>E5108AJBG-6E-E rev J</b>  |                                  | Assembly Type: <b>Single Board/Non Stacked</b> |                    |  |                  |            |   |          |
| PCB Part: <b>2DUE28F-AA na</b>  |                                  | <b>DDR2 DIMM</b>                               |                    |  |                  |            |   |          |
| PCB_layer_count: <b>6 Layer</b>   |                                  |  |                    |  |                  |            |   |          |
| Module Info: <b>Unbuffered</b>  |                                  | <b>Non-ECC 667Mhz</b>                          |                    |  |                  |            |   |          |
| <u>SYSTEM INFORMATION</u>   |                                  | <u>TESTING DETAILS</u>                         |                    |  |                  |            |   |          |
| <u>MINIMUM SYSTEM INFORMATION</u>   |                                  | 55°C Temperature: Standard Voltage             |                    |  |                  |            |   |          |
| Minimum System:   | D945GCL                          | Start Date:                                    | 1/31/2008          |  |                  |            |   |          |
| Serial Number:  | BTCL6340000B                     | Stop Date:                                     | 2/1/2008           |  |                  |            |   |          |
| Board Revision:   | D67193-201                       | Insertion Test:                                |                    |  |                  |            |   |          |
| Post Memory Count:  | 1024                             | SPD Check:                                     | Pass               |  |                  |            |   |          |
| Processor Code:   | P4 3.4Ghz 800Mhz                 | MCFT Min:                                      | Pass               |  |                  |            |   |          |
| Bios at time of test:   | CL94510J.86A.0034.2007.0905.1956 | MCFT Max:                                      | Pass               |  |                  |            |   |          |
| MCFT Memory Count   | 1013M 256K                       | S3 Test:                                       | Pass               |  |                  |            |   |          |
| Max_HDD_Man:  |                                  | Power Cycle Test:                              | N/A                |  |                  |            |   |          |
| Max_HDD_Cap:  |                                  | Power Cycle Time:                              |                    |  |                  |            |   |          |
| Max_HDD_Ser:  |                                  | OS:  | Windows XP         |  |                  |            |   |          |
| <u>MAXIMUM SYSTEM INFORMATION</u>   |                                  | Service Pack:                                  | 2                  |  |                  |            |   |          |
| Maximum System:   | D945GCL                          | Test Version:                                  | RST PRO V2.71      |  |                  |            |   |          |
| Serial Number:  | BTCL6340000D                     |  |                    |  |                  |            |   |          |
| Board Revision:   | D67193-201                       |  |                    |  |                  |            |   |          |
| Post Memory Count:  | 2048                             |  |                    |  |                  |            |   |          |
| Processor Code:   | P4 3.4Ghz 800Mhz                 |  |                    |  |                  |            |   |          |
| Bios at time of test:   | CL94510J.86A.0034.2007.0905.1956 |  |                    |  |                  |            |   |          |
| MCFT Memory Count   | 2037M 256K                       |  |                    |  |                  |            |   |          |
| Max_HDD_Man:  |                                  |  |                    |  |                  |            |   |          |
| Max_HDD_Cap:  |                                  |  |                    |  |                  |            |   |          |
| Max_HDD_Ser:  |                                  |  |                    |  |                  |            |   |          |
| <u>VENDOR CONTACT INFORMATION</u>   |                                  |  |                    |  |                  |            |   |          |
| Contact:  | Contact Phone:                   | Purchase Order #:                              |                    |  |                  |            |   |          |
| Bruce Reilly  |                                  |  |                    |  |                  |            |   |          |
| Test Traveler Notes:  |                                  |  | CMTL USE ONLY:     |  |                  |            |   |          |
|   |                                  |  | Verified by:       |  |                  |            |   |          |
|   |                                  |  | Emailed by:        |  |                  |            |   |          |

Test Technician: Thanh Nguyen

In the event of a module failure, CMTL is not required to provide root cause analysis. Accuracy of testing is restricted to the above mentioned module with specific DRAM, PCB and other components as listed and tested with the CMTL Memory Compatibility Functionality Test, Microsoft Advanced Server 2000®, Windows NT 4.0 Enterprise Edition®, Windows XP®, Windows 98 SE®, Dos 6.22®, MSTRESS® (v x.xx), XLINEAR® (v x.xx), FXLINEAR® (v x.xx), Patin® (v x.x), WinMTA® (v x.xx). (Voltage margining applied only to those systems that are applicable.)

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