

DRAM Update

Second Quarter 2007

The DDR3 Race Begins

May 2007

Analyst: Bob Merritt

Report No: VM 103-07

Table of Contents

Executive Summary	1
Industry Overview	2
DRAM Market Assumptions	3
Review of Previous Quarter	4
Bit Growth (1G Equivalent Units)	5
Unit Growth by DRAM Density	7
The Monthly Outlook	8
The Quarterly Outlook	9
Annual View	10
Annual Forecast of Bit Growth	11
DRAM Diversification by Interface	13
DRAM Diversification by Density	16
Geographic Revenue Trends by Quarter	20
Geographic Market Forecasts by Year	21
Summary	22
Appendix	23

List of Tables

Table 1: Performance to Forecast	4
Table 2: WW Shipments in 1Gigabit DRAM Equivalentents	5
Table 3: DRAM Average Sales Price	6
Table 4: Unit Growth by DRAM density	7
Table 5: Unit Percentage by Density	7
Table 6: Quarterly DRAM Revenue and Unit Forecast.....	9
Table 7: Worldwide DRAM Revenue and Unit Shipments.....	10
Table 8: Quarterly Increase in DRAM Bits	12
Table 9: Quarterly Increase in 512M Units	12
Table 10: DRAM Demand by Interface.....	13
Table 11: DRAM Unit % by Interface.....	14
Table 12: % Bits by Interface	15
Table 13: Units (K) by Density.....	17
Table 14: Quarterly Increase in DRAM Bits	22

List of Figures

Figure 1: Historic Decline in the Average Price of DRAM.....	6
Figure 2: 2006 and 2007 DRAM Monthly Revenue and Unit Shipments.....	8
Figure 3: DRAM Bit Growth.....	11
Figure 4: Revenue (\$) By Density	16
Figure 5: Revenue (%) By Density.....	16
Figure 6: Units (%) by Density	18
Figure 7: Bits by Density	18
Figure 8: Bits (%) by Density	19
Figure 9: Geographic Revenue Quarterly Changes	20
Figure 10: Yearly DRAM Revenue Shipments Geographically.....	21

Copyright Semico Research, 2007. All rights reserved.

Reproduction in whole or part is prohibited without the express written permission of Semico.

The contents of this report represent the interpretation and analysis of statistics and information that is generally available to the public or released by responsible agencies or individuals, but is not guaranteed as to its accuracy or completeness