

## 3.7 Memory

As you study this section, answer the following questions:

- What is the difference between SRAM and DRAM?
- What are two advantages of using DDR3 memory over DDR2 memory?
- What is the difference between SODIMM and UniDIMM?
- How does DDR4 differ from DDR3?
- What does the IMC do?

In this section, you will learn to:

- Classify different types of RAM
- Distinguish between different standards of DRAM

Key terms for this section include the following:

Term	Definition
Static RAM (SRAM)	Stores data using four transistors for every bit of data.
Dynamic RAM (DRAM)	Stores data using a single transistor for every bit of data.
DDR	Double-Data Rate Synchronous Dynamic RAM

This section helps you prepare for the following certification exam objectives:

Exam	Objective
CompTIA 220-1001	<p>3.3 Given a scenario, install RAM types.</p> <ul style="list-style-type: none"><li>▪ RAM types<ul style="list-style-type: none"><li>▪ SODIMM</li><li>▪ DDR2</li><li>▪ DDR3</li><li>▪ DDR4</li></ul></li><li>▪ Error correcting</li><li>▪ Parity vs. non-parity</li></ul>
CompTIA 220-1002	<p>1.7 Summarize application installation and configuration concepts.</p> <ul style="list-style-type: none"><li>▪ System requirements<ul style="list-style-type: none"><li>▪ RAM</li></ul></li></ul>

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