

# Eureka-II DDR-500Mhz

## **NEW!** Innovative Memory Tester

CST Inc, a leading worldwide manufacturer of memory tester and automatic Handler is proud to introduce the new Eureka-II Memory Tester, specifically designed for high volume memory distributor, memory module manufacturers, and memory repair service centers

The Eureka-II DDR Tester support the standard 184pin DIMM socket for testing the latest PC-3200 & PC 4200 DDR memory modules at “Real Bus Speed” and “Real Cycle Time”.

The Eureka-II DDR tester is designed and built with a flexible architecture which can support testing DDR, DDR2 SDRAM & DDR3 memory module with a change of optional Test adapters.

New DDR-Fault Focusing Algorithm & DC Parametric Test



### Eureka-II Feature

#### Auto Identify:

- Memory Type: Registered or Unbuffered
- Memory Configuration
- Memory Size
- Memory Frequency
- Memory Latency
- ECC or Non-ECC

#### Real Bus Speed Testing

- Real Cycle Time
- Uses state-of the art- DDR controller
- Super Fast Test time( 512MB in 9secs)
- **OVERCLOCKING Capability**

**NEW!**

#### Effective Test Algorithm

- Quick test, checks for assembly faults
- Detail March test, checks for functional failures
- Programming and checking SPD
- **Fault Focusing – pinpoints to faulty chip**
- **DC Parametric Test**

**NEW!**

#### Advanced Feature.

- Intuitive User PC Interface Software
- User configurable Test Pattern
- Speed Sorting Tool for Downgrade chips
- Shmoo-Plot and Error Capture Mapping Tool
- Auto Timing Setup
- Current measurement

#### Ez Upgrading

- Firmware upgrade via internet
- Support RoboFlex1 and RoboFlex2 Handler
- Interface with PC software via USB Port

### Eureka-II Technical Specification

<b>Clock Frequency</b>	: 133, 166, 200 & 250 Mhz selectable
<b>Data-rate</b>	: 266,333,400 & 500 Mhz
<b>Address depth</b>	: 4 Giga-word ( 16 Row x 16 Col)
<b>Data width</b>	: 64 & 72 bit
<b>Voltage range</b>	: 2.0 to 3.5V with 0.1V increment
<b>ICC measurement</b>	: IDD 0 – IDD7
<b>CAS Latency</b>	: 2, 2.5, 3 & 4Clocks
<b>Trcd &amp; Trp Adjustment</b>	: 2, 3 ,4 Clocks
<b>Burst Length</b>	: 2, 4 & 8
<b>Refresh Cycle</b>	: Auto / Self Refresh
<b>DC Parametric Testing</b>	: +/- 1 uA to 5 mA
<b>DC Test Pattern</b>	: Walk Data , Walk Address , DQS, DQM, CKE, CS , and BA test
<b>AC Test Pattern</b>	: Mat-S, March-C, March-X, March ( 25 Type March Pattern)
<b>SPD Programming</b>	: Read/Write & Editable Byte 0 – 255 Reversible SPD Write Protect

### General Specification

<b>Single Site</b>	
<b>DDR Test Adapter</b>	: 184 Pin DDR DIMM (Standard) 200 Pin DDR SODIMM ( optional)
<b>Power Adapter</b>	: Input 100 /250 Vac, 50 /60Hz ATX
<b>Operating Temperature</b>	: 15 ~110 Degree F
<b>Host PC ( Not included)</b>	: AMD or Intel P4 via USB interface
<b>Operating System</b>	: Microsoft Win 2000, XP, Vista

**SIMMTESTER.COM**

CST Inc , 2336 Lu Field Road , Dallas Texas 75229 Tel : (972) 2412662 Fax : (972) 2412661

[www.simmtester.com](http://www.simmtester.com) Email : info@simmtester.com