UNI 480

UNI480 with ATE features is designed close to its practical application environment interface structure and it is the most optimized, cost-efficient and the right solution for DDR, DDR2 and FBDIMM testing. UNI480 is able to provide a high speed interface up to 880Mbps data rate and an accurate data patch capability powered by double data rate and source synchronous clock scheme. This system is also capable of providing the best test software with field technical support based on UniTest's accumulated high technology and numerous installation experiences.

Just Get Right Way for DDR, DDR2 and FB-DIMM Testing

UNI 480



General Feature

- Supports DDR, DDR2 SDRAM Module and any Customed DIMM.
- Provides FB-DIMM testing with IBIST, MEMBIST and Transparent mode.
- Programmable test frequency up to 440MHz (880Mbps).
- Programmable device power supply.
- Supports 8 folds parallel testing.
- Programmable test patterns are using UniTest's own powerful test language.
- Programmable test plan program is using C/C++ test language.
- Programmable address and data scrambling.
- Accurate and multiple ranges of parametric measurement unit for DC testing.
- Provides SPD functions with Read, Write, Verify and Software Write Protect.
- Built in utilities provide 2D-Shmoo and Fail memory functions for analysis.
- Fully automated handler interface for mass production.

Specification

Module Types	DDR1, DDR2 SDRAM Module, FB-DIMM, Customed DIMM
Test Frequency	Variable up to 440MHz (data rate: 200Mbps to 880Mbps)
Timing Edge Control	Synchronous and programmable clock setting to move setup and hold time.
Address Generation	16X + 16Y + 4Z (X=Rows, Y=Columns, Z=Bank Select)
I/O Interface	Selectable: SSTL2, SSTL18, FBDIMM interface, SPD, LVTTL
Number of Parallel Test	Up to 8 DUTs at the same time
Number of Channel	320ch DR, 864ch IO, 48ch CK, etc
Channel Configurations(per DUT)	40ch DR, 108ch IO, 6ch CK, 5ch SPD, 8ch LVTTL, 1ch VREF
Number of PPS	32ch programmable device power supply PPS1: 0V to 4V, max 20A with current measuring PPS2: 0V to 4V, max 20A with current measuring PPS3: 0V to 4V, max 5A with current measuring PPS4: 0V to 4V, max 2A with current measuring
DC Parametric Test	Current ranges: ±1uA, ±10uA, ±100uA , ±1mA, ±40mA Voltage ranges: ±10V
Console Components	A Industrial control PC communicates with test sites through the high bandwidth parallel bus (UNIBUS).
Software features	Easy for using the software program (UNISDK) with friendly GUI and command interface.

** Specifications may be changed without notification.*

UniTest

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