

M SERIES

M7001 DDR/LPDDR LPDDR5 Protocol Analyzer



High-Performance Debug, Compliance Validation, and Analysis

The M7001 DDR/LPDDR is a complete solution for validating and debugging LPDDR5/LPDDR5x memory interfaces. Providing support for one complete channel of an LPDDR5 DRAM (covering both the command and data buses), this analyzer can capture read and write commands, and it can provide deep analysis of all protocol events on the LPDDR5 bus.

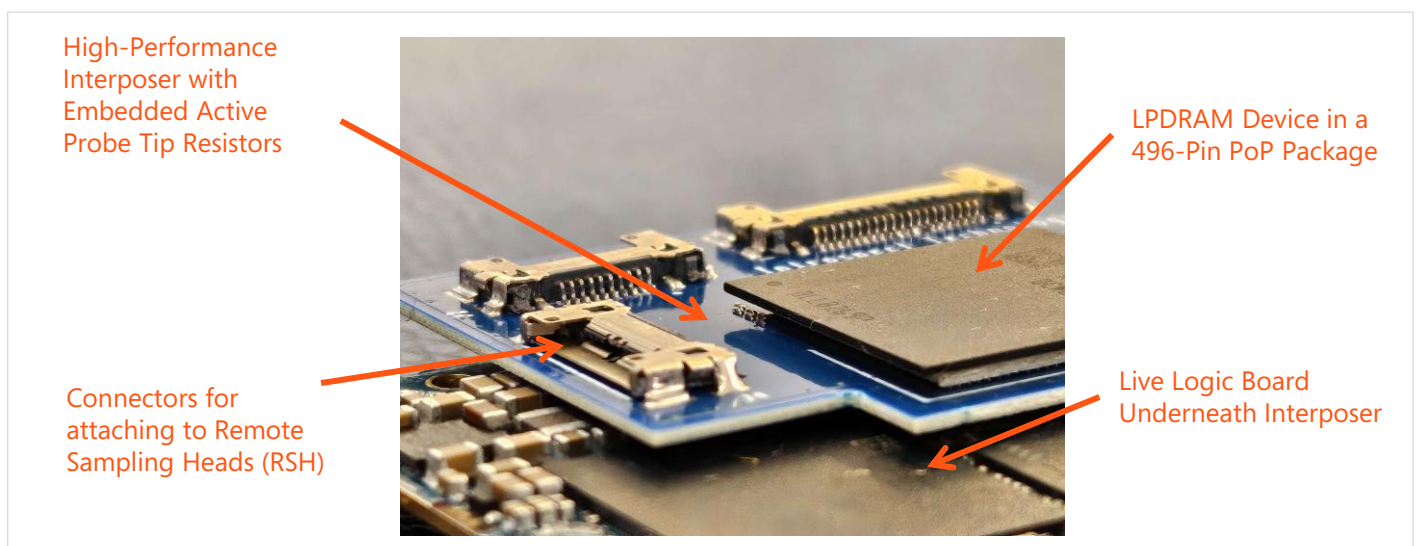
KEY FEATURES:

- **Modular Design:** Remote sampling heads (RSH) are placed close to the device under test (DUT)
- **Active Probe Technology:** RSHs contain 10 GHz bandwidth active probes for all 32 channels
- **Multi-Protocol DDR Command Capture:** Supports decoding and analysis for LPDDR4, LPDDR5, LPDDR5x, and DDR5
- **Triggered Digital Capture:** One-shot triggering on command and capture data bus in parallel

KEY BENEFITS:

- **Complete Data and Command Capture:** Modular design allows scaling to numerous simultaneous capture channels
- **Superior Signal Integrity:** Active probing results in high-bandwidth measurement and easier de-embedding of interposer losses
- **Easy Debug:** Electrical and protocol validation testing can occur with the same interposers and the same RSH active probe technology

Typical Application: Package-on-Package Probing of Live Systems



Introspect Technology's LPDDR5 Interposer Solution

