Fully Buffered DIMM (FB-DIMM Design Considerations

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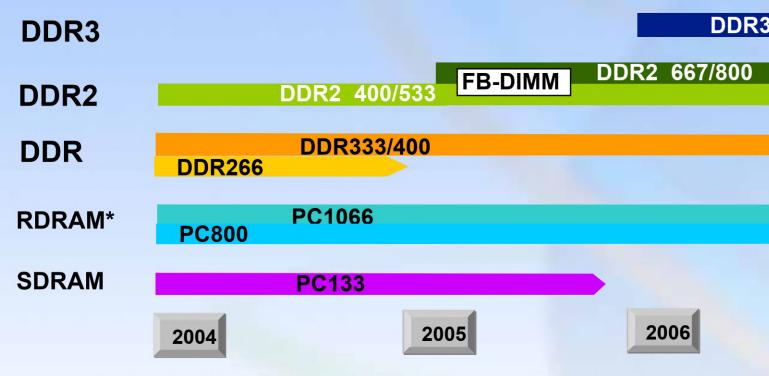


Agenda

- FB-DIMM Architecture
- FB-DIMM Channel Electrical Characteristic
- FB-DIMM Physical Design
- FB-DIMM System Design Considerations



Intel Platform Memory Technology Roa



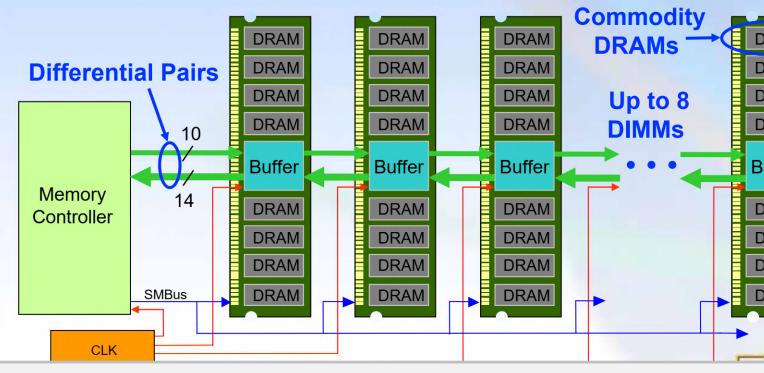
- DDR2 400/533 support in all main IA segments in 2004
 with DDR flexibility
- FB-DIMM new server interconnect in 2005
- Low Power SDRAM moving to low power DDR
- RDRAM still used in specific applications



FB-DIMM Architecture

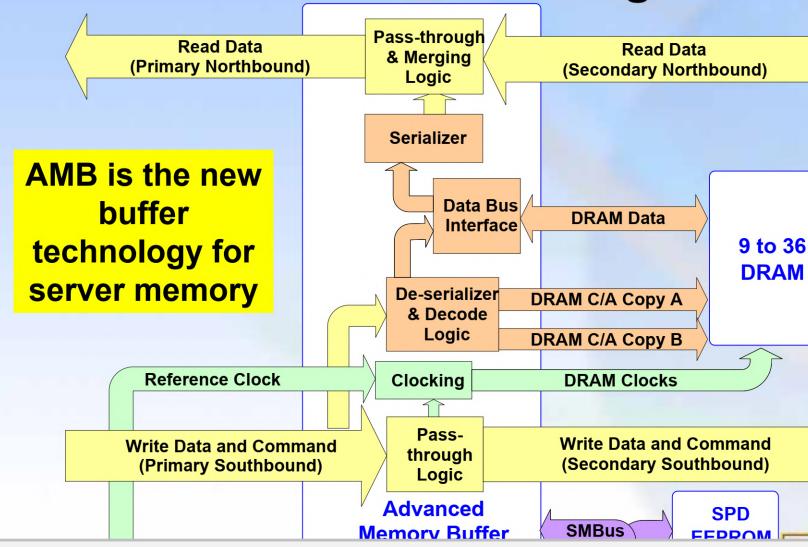
FB-DIMM Block Diagram

- DRAM interface is entirely behind the buffe
 - DDR2 DRAM scales from 533 to 800 MT/s, with 8 DIMMs (288 devices) per channel



FB-DIMM Architecture

FB-DIMM Module Block Diagram





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