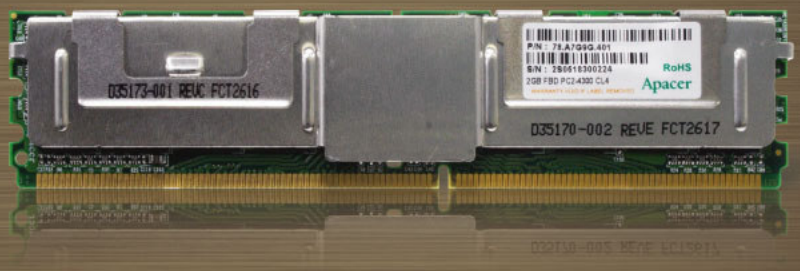
www.apacer.com



DDR2-533/667 FB-DIMM

1.8V CL4 / CL5 240pin

256MB-2GB

Fully Buffered DIMM Series

Apacer Fully Buffered DIMM (FB-DIMM) technology is a new memory architecture that addresses the scaling needs of both capacity and bandwidth in enterprise platforms replacing earlier parallel-based systems. By passing strict validation testing and maintaining excellent performance, Apacer is the first Asian DRAM module maker approved by Intel's Platform Memory Operations (PMO) and also meet JEDEC specifications.

533MHz

Data Rate	Capacity	P/N	DRAM Configuration	CL	Voltage
533MHz	512MB	78.96G96.404	64*8	CL4	1.8V
	512MB	78.97G96.404	64*8	CL4	1.8V
	1GB	78.06G96.405	64*8	CL4	1.8V
	1GB	78.07G96.405	64*8	CL4	1.8V
	2GB	78.A6G9G.401	128*4	CL4	1.8V
	2GB	78.A7G9G.401	128*4	CL4	1.8V

667MHz

Data Rate	Capacity	P/N	DRAM Configuration	CL	Voltage
667MHz	512MB	78.96G99.404	64*8	CL5	1.8V
	512MB	78.97G99.404	64*8	CL5	1.8V
	1GB	78.06G99.405	64*8	CL5	1.8V
	1GB	78.07G99.405	64*8	CL5	1.8V
	2GB	78.A6G9H.401	128*4	CL5	1.8V
	2GB	78.A7G9H.401	128*4	CL5	1.8V

Features

FB-DIMM is a perfect solution to overcome the expansion and data transfer bandwidth constraints of DDR2 memory modules. Apacer, Intel's Fully Buffered DIMM enabled partner for channel, has been certified by Intel and thoroughly tested by major server and workstation makers using actual platforms. The biggest advantage of FB-DIMM is the direct control over the module chips by means of point-to-point serial signals, designed partly to reduce the number of pins for signal transfer to 69, extensively reduce noise and transfer data at 3.2 Gbps or greater. Because FB-DIMM has a maximum theoretical bandwidth of 38.4 GB and a maximum capacity of 192 GB, it fulfills the scalability, broad bandwidth, high speed and high capacity needs of server and workstations.

Expanded Memory Capacity

FB-DIMM is expected to offer practical mainboard memory capacities of up to 192 GBytes-6 channels,8 DIMMs/channels,2 ranks/DIMM.

Increased Performance

FB-DIMM is expected to deliver 6.7GBytes/s sustained data throughput per channel -2 DIMMs/channel,2 ranks/DIMM.

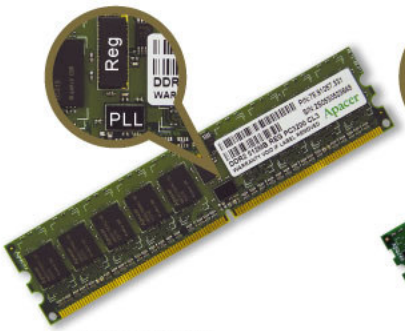
Enhanced Reliability

FB-DIMM offers CRC protection for both data and commands with bit lane fail-over and transient error detection and retry.

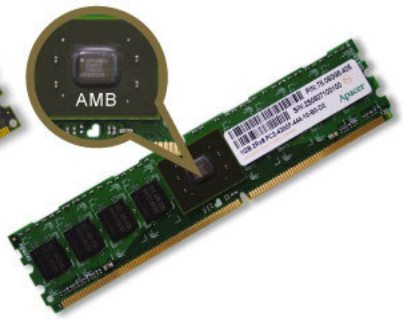
Improved Longevity

FB-DIMM will be implemented using industry-standard DDR2 devices with architecture and technology that will be viable through the DDR3 lifecycle and beyond.

Fully Buffered DIMM



REG-DIMM



FB-DIMM

Advanced Memory for Improved Reliability and Performance

- New Point to Point Serial Interface
- Uses Standard DDR2 DRAM Devices
- Industry Wide Support and Commitment
- Scalable Interface for Future DDR3

Where to buy

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