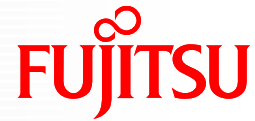


Competitive RAM vs. FCRAM (Feature)



[Feature Comparison between Competitive RAM and FCRAM]

Memory Type	DDR2	DDR1	LPDDR	512Mbit FCRAM
Bus I/O	x16	x32	x32	x64
VDD/VDDQ	1.8V	2.5V	1.8V	1.8V
Junction Temperature	85 deg.C or 95 deg.C	85 deg.C	85 deg.C	125 deg.C
Operating Frequency (Data Transfer Rate)	400MHz (800Mbps)	200MHz (400Mbps)	166MHz (333Mbps)	200MHz (400Mbps)
Data Bandwidth	1.6GByte/s	1.6GByte/s	1.3GByte/s	3.2GByte/s
DLL on RAM	Yes		No	No
Interface	SSTL		CMOS	CMOS
Resistors	ODT	Damping Resistors	No	No