



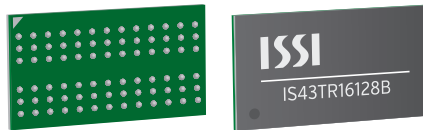
Long-Term Support
World Class Quality

8Gb DDR3 SDRAM

Up to 2133Mbps data rate

ISSI 8Gb DDR3 Product Features:

- Bidirectional differential data strobe
- Data masking per byte on Write commands
- Programmable Burst length of 4 or 8
- Programmable CAS Latency
- Auto-Refresh and Self-Refresh Modes
- OCD (Driver Adjustment)
- ODT (On Die Termination) supported
- Write Leveling
- Packages: 96-ball BGA for x16, 78-ball BGA for x8
- Long-term support



Applications:

- **Telecom/Networking**
Access Nodes
Aggregation Nodes
Switches and Routers
Packet Optical Transport
Network Storage
- **Automotive**
Infotainment
Telematics
Driver Information Systems
- **Industrial**
Human Machine Interface
Embedded Computing

Key Timing Parameters

Speed Grade	-125K	-107M	-093N	Units
	DDR3-1600	DDR3-1866	DDR3-2133	
CL-tRCD-tRP	11-11-11	13-13-13	14-14-14	tCK
tCK [CL = 7]	1.875	1.875	1.875	ns
tCK [CL = 8]	1.875	1.875	1.875	ns
tCK [CL = 9]	1.5	1.5	1.5	ns
tCK [CL = 10]	1.5	1.5	1.5	ns
tCK [CL = 11]	1.25	1.25	1.25	ns
tCK [CL = 12]	--	--	--	ns
tCK [CL = 13]	--	1.07	1.07	ns
tCK [CL = 14]	--	--	0.938	ns
Frequency [max]	800	933	1066	MHz

Note: These are general specs. For any given part number, please refer to the corresponding datasheet.

ISSI DDR3 Ordering Options

Den.	Speeds	Part No.	Org.	Pkg.	Ordering Options	Status
8G	DDR3-1600,1866,2133	IS43TR16512B(L)	512M x 16	BGA(96)	-125KBL, -125KBLI, -107MBL, -107MBLI, -093NBL, -093NBLI	S=NOW
	DDR3-1600,1866,2133	IS43TR81024B(L)	1G x 8	BGA(78)	-125KBL, -125KBLI, -107MBL, -107MBLI, -093NBL, -093NBLI	S=NOW

Notes:
1. DDR3L is denoted with "L".
2. Additional speeds may be available.
3. S = Samples, Prod = Production