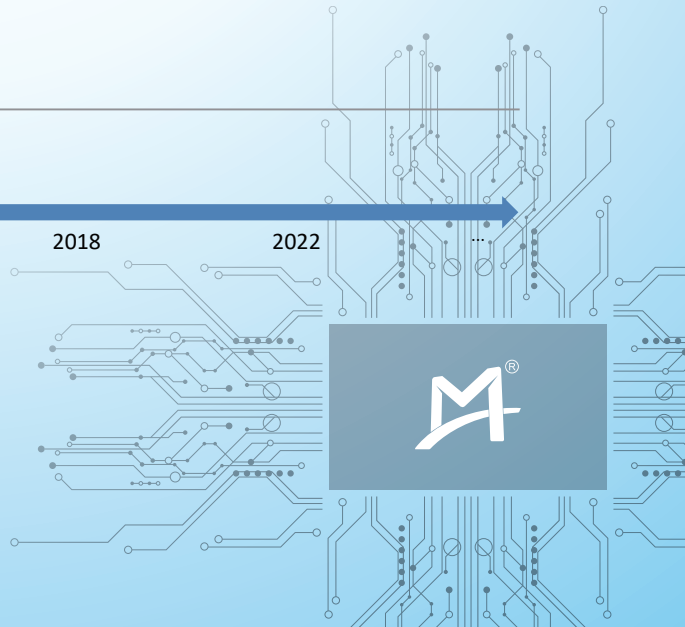
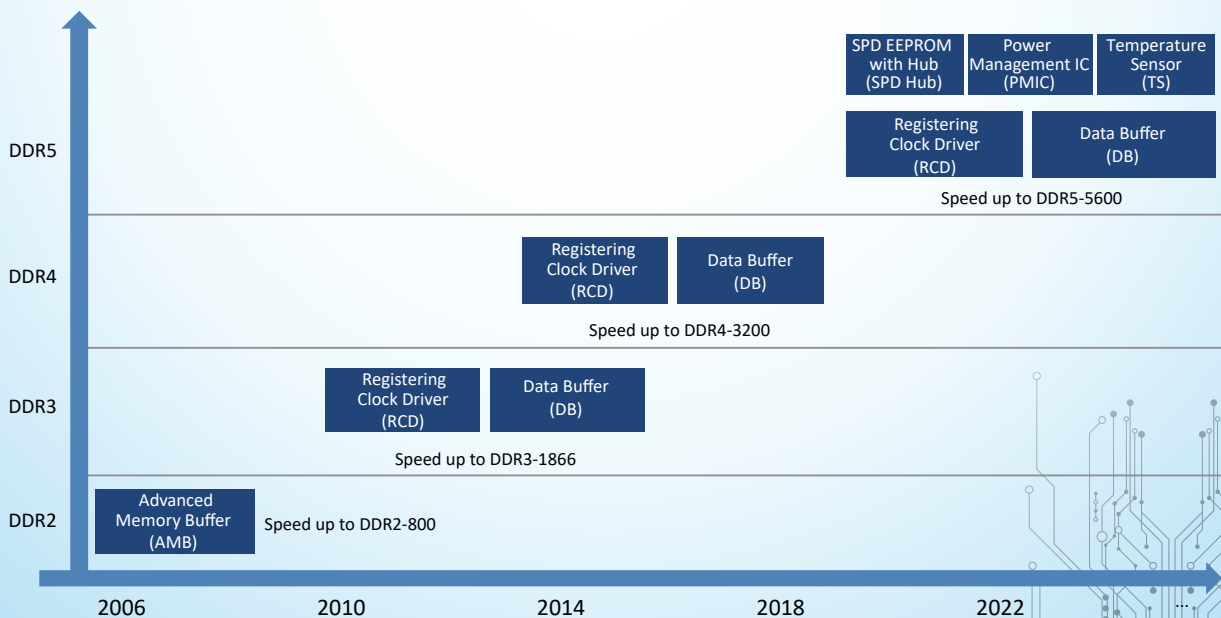


Memory Interface Products Selection Guide

Introduction

Montage Technology provides industry-leading DDR2 to DDR5 memory interface products for the demanding cloud computing and data center markets. Our robust product portfolio includes the critical components required by the memory modules, like Registering Clock Driver (RCD), Data Buffer (DB), SPD EEPROM with Hub (SPD Hub), Temperature Sensor (TS) and Power Management IC (PMIC). Compliant with JEDEC specifications, these products are designed for a variety of memory modules such as RDIMM, LRDIMM, NVDIMM, UDIMM, SODIMM, etc., to enable high-speed, large-capacity, high-reliability and low-power memory solutions for high-performance servers, desktops and laptops.

Product Portfolio



Selection Table

Technology	Part No.	Description	Maximum Speed	Typical Application
DDR5	M88DR5RCD02	DDR5 Registering Clock Driver (RCD)	DDR5-5600	DDR5 RDIMM / LRDIMM
	M88DR5RCD01	DDR5 Registering Clock Driver (RCD)	DDR5-4800	DDR5 RDIMM / LRDIMM
	M88DR5DB01	DDR5 Data Buffer (DB)	DDR5-4800	DDR5 LRDIMM
	M88P5010/M88P5000	DDR5 Power Management IC (PMIC)	/	DDR5 RDIMM / LRDIMM
	M88SPD5118	DDR5 SPD EEPROM with Hub (SPD Hub)	/	DDR5 RDIMM/ LRDIMM / UDIMM / SODIMM
	M88TS5110	DDR5 Temperature Sensor (TS)	/	DDR5 RDIMM / LRDIMM
DDR4	M88DR4RCD02P	Gen2 Plus DDR4 Registering Clock Driver (RCD)	DDR4-3200	DDR4 RDIMM / LRDIMM / NVDIMM
	M88DR4DB02P	Gen2 Plus DDR4 Data Buffer (DB)	DDR4-3200	DDR4 LRDIMM
	M88NR4DB02P	Gen2 Plus DDR4 Data Buffer (DB) with NVDIMM Feature	DDR4-3200	DDR4 NVDIMM
	M88DDR4RCD02	Gen2 DDR4 Registering Clock Driver (RCD)	DDR4-2666	DDR4 RDIMM / LRDIMM
	M88DDR4DB02	Gen2 DDR4 Data Buffer (DB)	DDR4-2666	DDR4 LRDIMM
	M88DDR4RCD01	Gen1 DDR4 Registering Clock Driver (RCD)	DDR4-2400	DDR4 RDIMM / LRDIMM
	M88DDR4DB01	Gen1 DDR4 Data Buffer (DB)	DDR4-2400	DDR4 LRDIMM
DDR3	M88MB6000	DDR3 Memory Buffer (MB)	DDR3-1866	DDR3 LRDIMM
	M88SSTE32882	DDR3 Register Buffer (RCD)	DDR3-1866	DDR3 RDIMM
DDR2	M88MB3000	DDR2 Advanced Memory Buffer (AMB)	DDR2-800	DDR2 FBDIMM

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