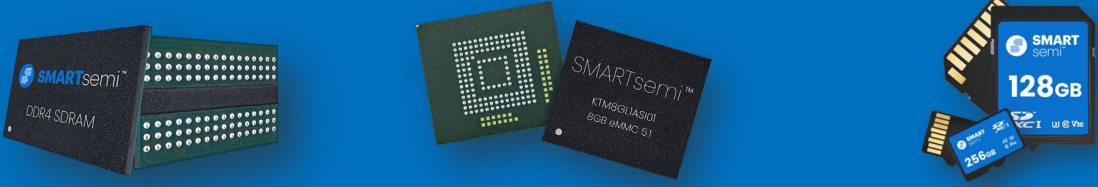




There are about two million different kinds of medical devices on the market today. Medical electronics typically collect, analyze, and transmit patient data while simultaneously keeping track of their own performance.

When a patient's health is on the line, reliability, stability, longevity, and long-term availability of all embedded components is key. That is especially true for memory chips as they must safeguard against data breaches and loss, or even system failure.

Medical equipment goes through rigorous testing before obtaining industry certifications. Procurement and engineering need to judiciously select the right technology and manufacturer from the early design stages of a product to avoid repairs and redesigns down the road.



| | | |
|---|--------------------------------|---|
| <u>DDR4 SDRAM</u> C, I | <u>eMMC 5.0</u> W | <u>SD CARDS (v3.01)</u> I |
| <u>DDR3(L) SDRAM</u> C, I, W, A | <u>eMMC 5.1</u> C, I | <u>microSD CARDS (v6.1)</u> I |
| <u>DDR2 SDRAM</u> C, I, W | | |

C = Commercial Temp. I = Industrial Temp. W = Wide (Automotive) Temp. A = Automotive AEC Q-100 Tested

DRAM – SMARTsemi’s DRAM product family can be used in ventilators, X-ray equipment, surgical equipment, medical cameras, clinical automation solutions, battery charges, heart monitors, hospital beds, diagnostic and analytical instruments, and more. Our devices are robust, durable, and available long-term.

FLASH – SMARTsemi’s range of Flash product is an ideal way to add low power non-volatile storage with control, wear-leveiling, and error correction in a compact package footprint.

SD CARDS – Expand functionality and capacity for data, images and video with our Industrial grade FLASH SD and microSD cards.

Our portfolio of memory products can deliver the reliability, stability, and durability needed for long-life applications in healthcare. At SMARTsemi we provide long-term support and maintain the highest standards of quality.

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