MACRONIX
Medical Solutions

With over three decades of nonvolatile memory experience, Macronix is well aligned with the medical electronics market and is aware of the design challenges system architects face. Macronix has developed a series of flash memory solutions that addresses these barriers with features such as small form factor and minimal power consumption to support the progress of battery operated wearable medical devices.

Ecosystem Engagement

Widely adapted for application such as ultrasound system, AED, CT/ MRI/ Endoscopy/ X-Ray diagnostic system, ventilator, etc.

Quality and Reliability

- ppb Level Quality Management
- ISO 9001:2015 Certified

Worldwide Support

Global infrastructure support, local technical service, and local distribution channel support.

Supply and Product Stability

Macronix Product Longevity Program (MPLP)

- Provide availability up to 10 years.

Macronix International Co., Ltd.

www.macronix.com

Macronix Flash Solutions for Medical Application

		Vcc	Density
NOR	Parallel NOR Flash	3V / 5V	2Mb-1Gb
	Serial NOR Flash	1.8V / 3V	512Kb-2Gb
	Wide Range Vcc	1.65V-3.6V	512Kb-64Mb
	1.2V	1.14V-1.6V	16Mb-128Mb
	OctaFlash™	1.8V / 3V	64Mb-8Gb
	ArmorFlash™	1.8V / 3V	64/128/256Mb
NAND	SLC/SPI NAND	1.8V / 3V	1Gb-8Gb
eMMC™	eMMC	3V	2GB-8GB

Note: e·MMC™ is the trademark of JEDEC/MMCA.

Wide Range Vcc Flash

- Standard Serial NOR Flash Interface
- Ultra Low Power Consumption
- Wide Range Vcc (1.65V-3.6V)
- Switchable for Ultra Low Power and High Performance Mode
- Unique ID and Secured OTP Support
- Small Form Factor: KGD, WLCSP, USON, WSON

1.2V Serial NOR Flash

- Standard Serial NOR Flash Interface
- Ultra Low Power Consumption
- Wide Range Vcc: 1.14V-1.6V
- Ultra High Performance: 120MHz/133MHz Read Speed
- DTR (Double Transfer Rate) Mode Supported
- Switchable for Ultra Low Power and High Performance Mode
- Unique ID and Secured OTP Supported
- Ultra Small Form Factor: KGD, WLCSP, USON, WSON

MXIC Macronix International Co., Ltd.

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