



THE NEW ULTRA-LOW POWER 1Mb SRAM

ISSI's latest 1Mb Ultra-Low Power SRAM is currently sampling. The new product offers significant power savings compared to the previous versions and features the lowest operating current in the industry. This innovative design reinforces ISSI's long-term commitment to SRAMs at a time when many other manufacturers are de-emphasizing SRAMs.

[Download datasheet \(click here\)](#)



	IS62WV1288DBLL 128Kx8 Ultra Low Power	IS65WV1288DBLL 128Kx8 Ultra Low Power	Comments
Temperature Support	Industrial (-40°C to +85°C)	Automotive (-40°C to +125°C)	
Technology	0.13 μm	0.13 μm	
Standby Current	4 μA 10 μA (previous die)	18 μA	Typical value 0.6 μm
Operating Current	8 mA 17 mA (previous die)	12 mA	Typical value 4 mA BEST in the INDUSTRY!
Data Retention Current	4 μA	18 μA	Typical value 0.5 μm
Packaging	TSOP-I (32 pins) sTSOP (32 pins) SOP (32 pins) BGA (36 pins)	TSOP-I (32 pins) sTSOP (32 pins) SOP (32 pins) BGA (36 pins)	
Speed	45 ns**	45 ns	
Lead-free and Leaded	Yes	Yes	RoHS Compliant
Availability	Sampling	Sampling	

** 35ns option is available. Refer to datasheet.

Applications:

The device is used in a variety of applications including Consumer, Handheld/Wireless, Industrial, Automotive, Telecom, and Networking. The product is ideal for applications which require low power, such as portable and wired products.

Competitive Analysis

	ISSI	Comp. A
Standby Current (Typ)	4 μA 0.6 μA (typical)	4 μA 1 μA (typical)
Operating Current (Typ)	8 mA 4 mA (typical)	16 mA 11 mA (typical)