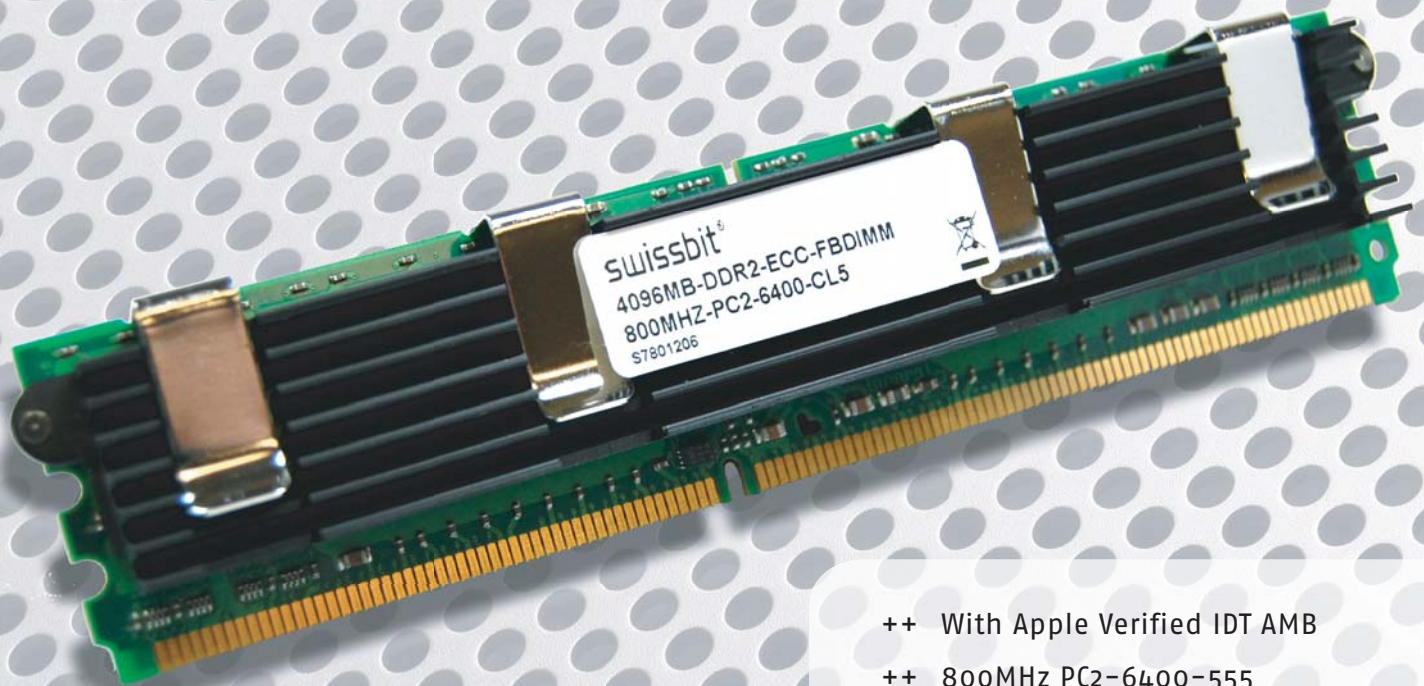


swissbit®

SWISSMEMORY™ ++ 4GB ++ DDR2 ++ 800MHz ++ FBDIMM

# 4GB FBDIMM DDR2-800 SDRAM

for Apple Mac Pro Quad-Core Based Platforms



- ++ With Apple Verified IDT AMB
- ++ 800MHz PC2-6400-555
- ++ With Large Mass Heatspreader
- ++ Automatic DDR2 SDRAM bus and channel calibration
- ++ SMBus interface to AMB for configuration register access
- ++ Fully JEDEC DDR2 Compatible

CE FC



[www.swissbit.com](http://www.swissbit.com)

## SWISSMEMORY™ ++ 4GB ++ DDR2 ++ 800MHz ++ FBDIMM

### Product Features:

- ++ 4GB Capacity
- ++ 240-pin 72-bit ECC DDR2 Dual Inline Memory Module for Apple Mac Quad-Core based platforms
- ++ DDR2-800MHz, PC2 6400-555, 256Mx4 organized SDRAMs with 8 internal banks
- ++ 8K refresh per 64ms
- ++ Channel error detection and reporting
- ++ MBIST and IBIST test functions
- ++ Transmitter de-emphasis to reduce ISI
- ++ High speed, differential, point-to-point link
- ++ Double Data Rate architecture: 2 data transfers per clock cycle
- ++ In-band and out-of-band command access
- ++ Operating Temperature: 0°C to +85°C t<sub>CASE</sub>
- ++ Operating Humidity: 10% to 90% relative humidity, non-condensing
- ++ Posted CAS by programmable additive latency for better command and data bus efficiency
- ++ SMBus interface to AMB for configuration register access
- ++ Automatic DDR2 SDRAM bus and channel calibration
- ++ 256 byte Serial Presence Detect EEPROM
- ++ Gold-contact pads
- ++ This module family is fully pin and functional compatible to the JEDEC DDR2 specifications

### TECHNICAL SPECIFICATIONS

	Storage Capacity	CAS Latency	Module Configuration	Form Factor	Operating Voltage	Dimensions (L x W   D) mm	Technology	Compatibility
FBDIMM DDR2 800 PC2-6400	4GB	CL5	512Mx72 ECC	FBDIMM 240-pin	1.8V	133.4 x 30.4 x 23.9	DDR2 SDRAM	Apple Mac Pro Quad-Core



**SWISSBIT FBDIMM DDR2** is the new and more powerful DDR Generation. DDR2 modules are characterized not only by higher performance and reduced energy consumption due to a voltage of only 1.8 Volt, but also by faster inputs and outputs. Swissbit DDR2 modules are developed and structured in compliance with JEDEC and Intel Standard. For quality assurance the modules are exclusively equipped with DRAMs from renowned manufacturers, e.g. Micron, Infineon, Samsung, Elpida etc. in an ISO 9001 certified environment and subjected 100 percent to extensive tests upon completion. Tests on all conventional chipsets and motherboards ensure their compatibility for PC and MAC applications.

©Swissbit 2008  
 All rights, including rights created by patent grant or registration of a utility model or design, are reserved.  
 Delivery subject to availability; right of technical modifications reserved.  
 All hardware and software names used are trade names or trademarks of their respective manufacturers.

SWISSMEMORY™ 4GB DDR2-800 FBDIMM - Version 1.0 - 04/2008