SOM with 2GB RAM

Manufacturer:	Microchip Technology, Inc
Package/Case:	Module
Product Type:	Embedded Processors & Controllers
Lifecycle:	Active

Images are for reference only

Inquiry

General Description

The SAMA5D27 Wireless SOM1 (WLSOM1) is a small single-sided System-On-Module (SOM) based on the high-performance 32-bit Arm® Cortex®-A5 processor-based MPU + 2Gbit LPDDR2 System in Package running up to 500 MHz, the WILC3000 WiFi and Blutooth module and MCP16502 Power Management IC optimized for the module. The ATSAMA5D27-WLSOM1 is built on a common set of proven Microchip components to reduce time to market by simplifying hardware design and software development. It also simplifies design rules of the main application board, reducing overall PCB complexity and cost. The ATSAMA5D27-WLSOM1 is delivered with a free Linux distribution and bare metal C code examples.

Key Features

Arm® Cortex®-A5 processor-based SAMA5D2 MPU

256 MByte LPDDR2 SDRAM

MCP16502 Power Management IC

WILC3000 WiFi and Bluetooth module

64Mb Serial Quad I/O Flash Memory with Embedded EUI-48 MAC addresses

KSZ8081 10Base-T/100Base-TX Ethernet PHY

Pre-provisioned ECC608 Secure Element (Trust&Go)

40.8 x 40.8 mm Module, Pitch 0.8mm, Solderable Manually for Prototyping

Recommended For You