


MPU RISC 32bit 190MHz 3.3V 217-Pin LFBGA Tray

Manufacturer:	Microchip Technology, Inc
Package/Case:	BGA
Product Type:	Embedded Processors & Controllers
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Obsolete



Images are for reference only

[Inquiry](#)

General Description

The ARM®-based SAM9261 runs up to 190MHz with 160KB of SRAM that can be configured as TCM (tightly-coupled memory). It features an extensive peripheral set that includes an integrated graphics LCD controller supporting screen resolutions up to 1280x860 with 16M colors and 24bpp. The device integrates multiple communication interfaces, such as FS USB host and device with 2 ports and 2 transceivers, a FS USB Device, USARTs, SPIs, I2S and I2C. The external bus interface incorporates controllers for SDRAM and Static memories, with specific interface circuitry for CompactFlash and NAND flash. The device is available in a BGA217 package with 0.8mm ball pitch.

Key Features

Incorporates the ARM926EJ-S ARM Thumb processor

External bus interface (EBI)

LCD controller

USB 2.0 full speed (12Mbps) host double port

USB 2.0 full speed (12Mbps) device port

Bus matrix

Fully featured system controller (SYSC) for efficient system management

Reset controller (RSTC)

Shutdown controller (SHDWC)

Clock generator (CKGR)

Power management controller (PMC)

Advanced interrupt controller (AIC)

Debug unit (DBGU)

Periodic interval timer (PIT)

Watchdog timer (WDT)

Real-time timer (RTT)

Three 32-bit Parallel input/output controllers (PIO) PIOA, PIOB and PIOC

Nineteen peripheral DMA (PDC) channels

Multimedia card interface (MCI)

Three synchronous serial controllers (SSC)

Recommended For You

ATmega8-16PU

Microchip Technology, Inc

DIP

ATmega162-16PU

Microchip Technology, Inc

DIP40

AT91RM9200-CJ-002

Microchip Technology, Inc

BGA

AT89C2051-12PU

Microchip Technology, Inc

DIP

ATmega8515L-8PU

Microchip Technology, Inc

DIP

AT91SAM9G20B-CFU

Microchip Technology, Inc

247-TFBGA

ATtiny20-XUR

Microchip Technology, Inc
TSSOP14

AT89LS52-16PU

Microchip Technology, Inc
DIP

ATtiny12L-4SUR

Microchip Technology, Inc
SOP8

ATmega324PA-PU

Microchip Technology, Inc
PDIP

ATmega8535-16JU

Microchip Technology, Inc
PLCC44

ATtiny44A-PU

Microchip Technology, Inc
DIP

AT89C5131A-S3SUM

Microchip Technology, Inc
PLCC52

ATmega162V-8PU

Microchip Technology, Inc
DIP40

AT89C5115-SISUM

Microchip Technology, Inc
PLCC-28