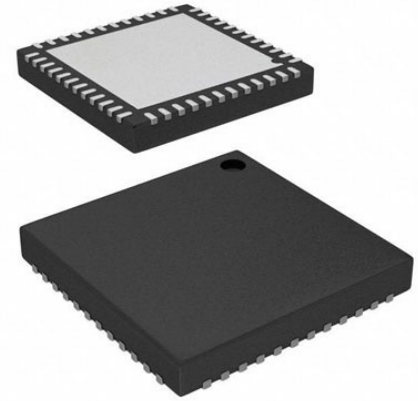ATMEL ATMEGA8A-PU 8Bit Microcontroller, Low Power High Performance, ATmega, 16MHz, 8KB, 1KB, 28Pins, DIP

Manufacturers	Microchip Technology, Inc
Package/Case	VQFN-48
Product Type	RF Integrated Circuits
RoHS	
Lifecycle	

Images are for reference only

Please submit RFQ for ATSAMR21G18A-MUT or Email to us: sales@ovaga.com We will contact you in 12 hours.   RFQ

General Description

An IEEE 802.15.4 compliant single chip combines an ARM® Cortex®-M0+ based 32-bit microcontroller and best-in-class 2.4GHz RF transceiver. It offers an excellent RF performance, with a link budget of 103dBm while consuming 50% less active current than existing offerings. The device features IEEE 802.15.4 MAC hardware accelerators and automatic transmission modes, wake-on-radio, offers twelve-channel direct memory access (DMA) controller, up to four configurable SERCOM modules for I2C, SPI and USART and a 128-bit AES crypto engine. The device features further blocks like a Peripheral Touch Controller (PTC), Full-Speed USB Device and embedded Host and hardware components to support RF distance measurements. To complement that set the SAM R21 also supports external power amplifiers and antenna diversity.

The ATSAMR21G18A is available in a regulatory-certified module, ATSAMR21G18. The ATSAMR21G18 is a full-featured module with multiple I/O and dual u.FL connectors for external antennas. Visit the module product page for more information.

Microchip's complimentary and confidential Wireless Check online design review service is available for customers who have selected our products for their application design-in*.
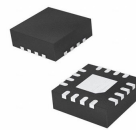*The online design review service is subject to Microchip's Program Terms and Conditions and requires a myMicrochip account.
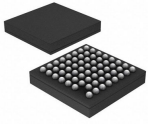
Related Products

MRF89XAT-I/MQ

Microchip Technology, Inc

QFN-32

ATA8510-GHQW

Microchip Technology, Inc

32-VFQFN
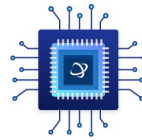
ATSAMR34J18B-I/7JX

Microchip Technology, Inc

TFBGA

ATZB-S1-256-3-0-CR

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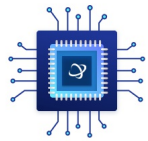
SMD

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