

ARM966E-S<sup>®</sup> 16/32-Bit Flash MCU with Ethernet, USB, CAN, AC motor control, 4 timers, ADC, RTC, DMA, Microcontrollers (MCU) 256+32 96 RAM ETHERNET USB CAN

Manufacturers	<a href="#">STMicroelectronics, Inc</a>
Package/Case	LQFP128
Product Type	Programmable Logic ICs
RoHS	Green
Lifecycle	



Images are for reference only

Please submit RFQ for STR912FAW42X6 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

STR912FAW42X6 is a microcontroller from STMicroelectronics. It is a member of the STR9 family, which is based on an ARM9 core and is designed for embedded applications.

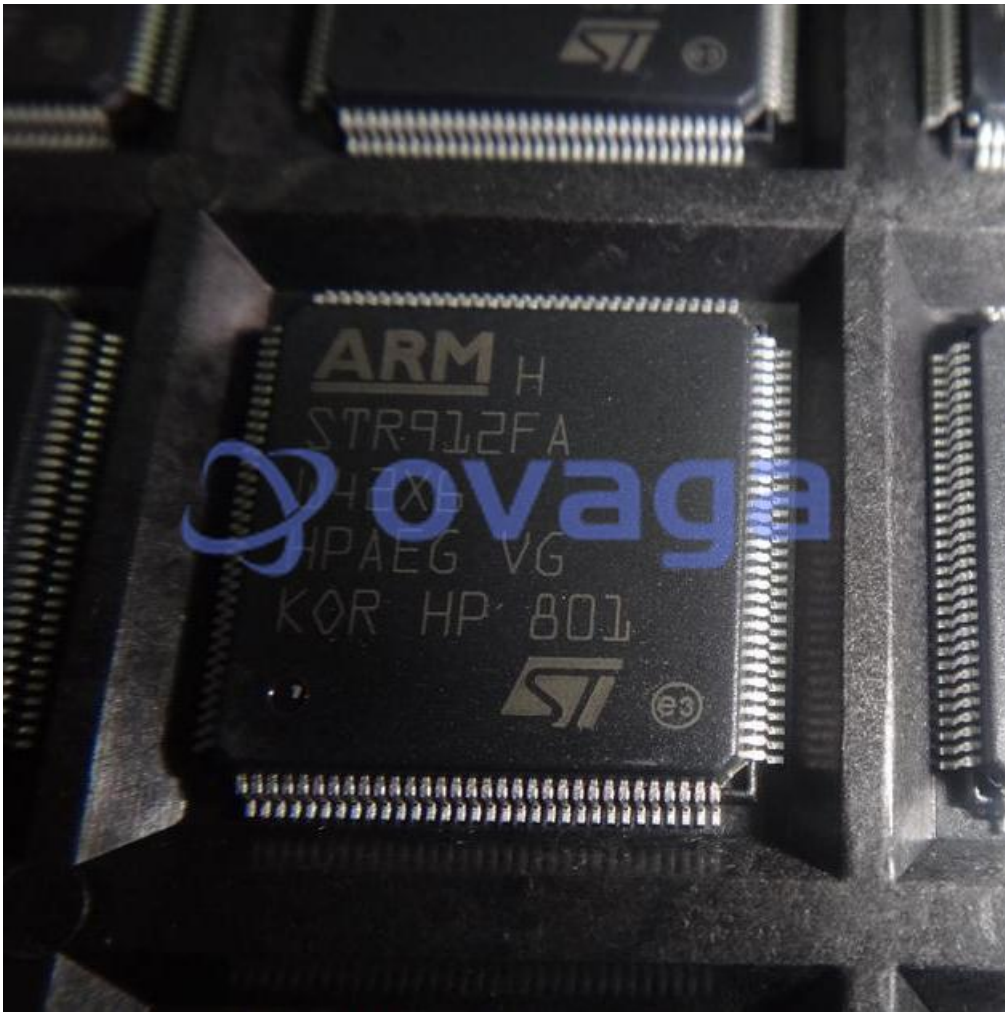
## Features

- ARM9TDMI-S core running at up to 96 MHz
- 256 KB of embedded Flash memory and 64 KB of RAM
- On-chip peripherals such as UARTs, SPIs, I2Cs, ADCs, timers, and a watchdog
- Up to 112 general-purpose I/O pins
- Support for external memory interfaces such as NAND Flash, NOR Flash, and SDRAM
- JTAG and SWD debugging interfaces
- Low-power modes for energy-efficient operation

## Application

- Industrial control systems
- Building automation
- Motor control
- Consumer electronics
- Medical devices
- Automotive systems
- Security systems





## Related Products



### [STM32F100RCT6TR](#)

STMicroelectronics, Inc  
64-LQFP



### [STM32F103RBT7](#)

STMicroelectronics, Inc  
LQFP-64



### [STM32F103RCT7](#)

STMicroelectronics, Inc  
LQFP-64



### [STM32F102C8T6](#)

STMicroelectronics, Inc  
LQFP-48



### [STR752FR2T6](#)

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### [ST92F150CV1QB](#)

STMicroelectronics, Inc  
PQFP-100



### [ST72C334N4T6](#)

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TQFP-64



### [STM735FZ2T7](#)

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TQFP-144