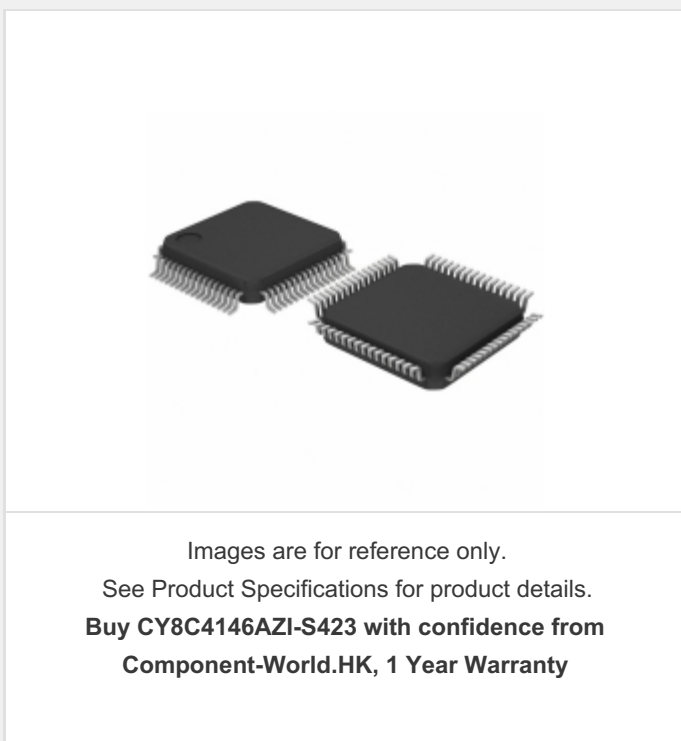


**CY8C4146AZI-S423**



**Part Number:** [CY8C4146AZI-S423](#)  
**Manufacturer:** [Cypress Semiconductor](#)  
**Description:** IC MCU 32BIT 64KB FLASH 48TQFP  
**Data sheet:** [PSoC@ 4: PSoC 4100S Family](#)







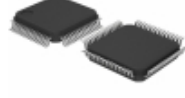



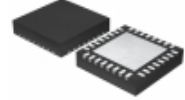
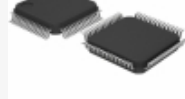




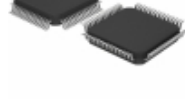


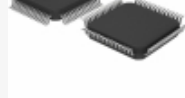
**RoHS Status:** Lead free / RoHS Compliant  
**Ship From:** Hong Kong  
**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
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PRODUCT PARAMETER	
<b>Part Number</b>	CY8C4146AZI-S423
<b>Description</b>	IC MCU 32BIT 64KB FLASH 48TQFP
<b>Quantity Available</b>	55812 pcs
<b>Category</b>	<a href="#">Integrated Circuits (ICs)</a>
<b>Supplier Device Package</b>	64-TQFP (10x10)
<b>Series</b>	PSOC@ 4 CY8C4100S
<b>Program Memory Type</b>	FLASH
<b>Peripherals</b>	Brown-out Detect/Reset, CapSense, LCD, POR, PWM, WDT
<b>Package / Case</b>	64-LQFP
<b>Oscillator Type</b>	Internal
<b>Number of I/O</b>	36
<b>Manufacturer Standard Lead Time</b>	15 Weeks
<b>EEPROM Size</b>	-
<b>Data Converters</b>	A/D 1x10b, 1x12b SAR
<b>Core Processor</b>	ARM® Cortex®-M0+
<b>Manufacturer</b>	<a href="#">Cypress Semiconductor</a>
<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Data sheet</b>	<a href="#">PSoC@ 4: PSoC 4100S Family</a>
<b>Voltage - Supply (Vcc/Vdd)</b>	1.71 V ~ 5.5 V
<b>Speed</b>	48MHz
<b>RAM Size</b>	8K x 8
<b>Program Memory Size</b>	64KB (64K x 8)
<b>Packaging</b>	Tray
<b>Other Names</b>	428-3935
<b>Operating Temperature</b>	-40°C ~ 85°C (TA)
<b>Moisture Sensitivity Level (MSL)</b>	3 (168 Hours)
<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Detailed Description</b>	ARM® Cortex®-M0+ PSoC@ 4 CY8C4100S Microcontroller IC 32-Bit 48MHz 64KB (64K x 8) FLASH 64-TQFP (10x10)
<b>Core Size</b>	32-Bit
<b>Connectivity</b>	I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART

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