

CY8C4146AZI-S433



**Part Number:** [CY8C4146AZI-S433](#)

**Manufacturer:** [Cypress Semiconductor](#)

**Description:** IC MCU 32BIT 64KB FLASH 48TQFP

**Data sheet:**  [PSoC® 4: PSoC 4100S Family](#)

**RoHs Status:** Lead free / RoHS Compliant

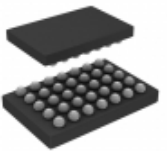
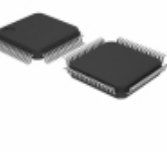
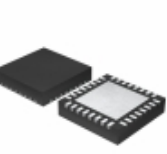
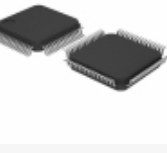
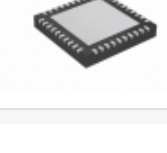
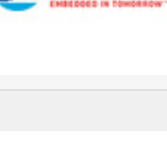
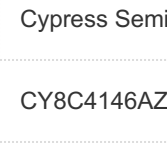
**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                      |                                  |                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                              | CY8C4146AZI-S433                                     | Manufacturer                     | <a href="#">Cypress Semiconductor</a>                                                                 |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 32BIT 64KB FLASH 48TQFP                       | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 44430 pcs                                            | Data sheet                       | <a href="#">PSoC® 4: PSoC 4100S Family</a>                                                            |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>            | Voltage - Supply (Vcc/Vdd)       | 1.71 V ~ 5.5 V                                                                                        |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 48-TQFP (7x7)                                        | Speed                            | 48MHz                                                                                                 |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PSOC® 4 CY8C4100S                                    | RAM Size                         | 8K x 8                                                                                                |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                                | Program Memory Size              | 64KB (64K x 8)                                                                                        |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Brown-out Detect/Reset, CapSense, LCD, POR, PWM, WDT | Packaging                        | Tray                                                                                                  |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 48-LQFP                                              | Other Names                      | 428-3936                                                                                              |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Internal                                             | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                     |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 36                                                   | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                         |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                          | 15 Weeks                                             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                            |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                                                    | Detailed Description             | ARM® Cortex®-M0+ PSOC® 4 CY8C4100S Microcontroller IC 32-Bit 48MHz 64KB (64K x 8) FLASH 48-TQFP (7x7) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A/D 1x10b, 1x12b SAR                                 | Core Size                        | 32-Bit                                                                                                |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ARM® Cortex®-M0+                                     | Connectivity                     | I²C, IrDA, LINbus, SPI, UART/USART                                                                    |
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| RELATED PRODUCTS                                                                   |                                                                                          |                                                      |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------|----------------|
|  | Part#: <a href="#">CY8C4146FNI-S433T</a><br>Description: IC MCU 32BIT 64KB FLASH 35WLCSP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4146AXI-S423</a><br>Description: IC MCU 32BIT 64KB FLASH 44TQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4146AZI-S455</a><br>Description: IC MCU 32BIT 64KB FLASH 64TQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4146AZI-S445</a><br>Description: IC MCU 32BIT 64KB FLASH 64TQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4146LQI-S422</a><br>Description: IC MCU 32BIT 64KB FLASH 32QFN    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4146AXI-S445</a><br>Description: IC MCU 32BIT 64KB FLASH 64TQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4146AXI-S433</a><br>Description: IC MCU 32BIT 64KB FLASH 44TQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4146AZI-S433T</a><br>Description: IC MCU 32BIT 64KB FLASH 48TQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4146FNI-S443T</a><br>Description: IC MCU 32BIT 64KB FLASH 35WLCSP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4146LQI-S423T</a><br>Description: IC MCU 32BIT 64KB FLASH 40QFN   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4145AXI-S423</a><br>Description: IC MCU 32BIT 32KB FLASH 44TQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4145AXI-S433</a><br>Description: IC MCU 32BIT 32KB FLASH 44TQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4145AZI-S423T</a><br>Description: IC MCU 32BIT 32KB FLASH 48TQFP  | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4146LQI-S422T</a><br>Description: IC MCU 32BIT 64KB FLASH 32QFN   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4146FNI-S423T</a><br>Description: IC MCU 32BIT 64KB FLASH 35WLCSP | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CY8C4146AXI-S455</a><br>Description: IC MCU 32BIT 64KB FLASH 64TQFP   | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
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| Related keywords for CY8C4146AZI-S433  |                                             |                           |                        |
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