

**CY8C4145AZI-PS433 Information**


For Reference Only

**Part Number** [CY8C4145AZI-PS433](#)  
**Manufacturer** Cypress Semiconductor Corp  
**Category** Integrated Circuits (ICs)  
[Embedded - Microcontrollers](#)  
**Description** 63146 IC MCU 32BIT 32KB FLASH 48  
**Package** 48-LQFP  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)


[Request a Quote](#)
**Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.


**CY8C4145AZI-PS433 Specifications**

|                            |  |
|----------------------------|--|
| Manufacturer Part Number   | <a href="#">CY8C4145AZI-PS433</a>  |
| Manufacturer               | Cypress Semiconductor Corp   |
| Category                   | Integrated Circuits (ICs)<br><a href="#">Embedded - Microcontrollers</a>   |
| Package                    | 48-LQFP  |
| Series                     | PSOC® 4 CY8C4100PS   |
| Core Processor             | ARM® Cortex®-M0+   |
| Core Size                  | 32-Bit   |
| Speed                      | 48MHz  |
| Connectivity               | I <sup>2</sup> C, IrDA, LINbus, Microwire, SmartCard, SPI, SSP, UART/USART |
| Peripherals                | Brown-out Detect/Reset, CapSense, LCD, LVD, POR, PWM, WDT                  |
| Number of I/O              | 38   |
| Program Memory Size        | 32KB (32K x 8)   |
| Program Memory Type        | FLASH  |
| EEPROM Size                | -  |
| RAM Size                   | 4K x 8   |
| Voltage - Supply (Vcc/Vdd) | 1.71 V ~ 5.5 V   |
| Data Converters            | A/D 16x10b, 8x12b SAR, D/A 2x13b   |
| Oscillator Type            | Internal   |
| Operating Temperature      | -40°C ~ 85°C (TA)  |
| Mounting Type              | -  |
| Package / Case             | 48-LQFP  |
| Supplier Device Package    | 48-TQFP (7x7)  |

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## CY8C4145AZI-PS433 Guarantees



### Quality Guarantees

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



### Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

## CY8C4145AZI-PS433 Payment Methods



## CY8C4145AZI-PS433 Shipping Methods



If you have any question about CY8C4145AZI-PS433, please do not hesitate to contact us!

Website: <https://www.heisener.com>

E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)