

CY8C4126AZI-S433

CY8C4126AZI-S433 Information

Heisener.com	 CY8C4126AZI-S433 Cypress Semiconductor Corp Integrated Circuits (ICs) Embedded - Microcontrollers IC MCU 32BIT 64KB FLASH 48TQFP - For the pricing/inventory/lead time, please contact	
For Reference Only	us Website: https://www.heisener.com E-mail: 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.



CY8C4126AZI-S433 Specifications

ManufacturerCypress Semiconductor CorpRanufacturerIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage-SeriesPSOC? 4 CY8C4100SCore ProcessorARM? Cortex?-M0+Core Size32-BitSpeed24MHzConnectivityI2C, IrDA, LIN, Microwire, SmartCard, SPI, SSP, UART/USARTNumber of I/O36Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x10b, 1x12b SAROperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case-Supplier Device Package-Supplier Device Package-Supplier Device Package-Supplier Device Package-Supplier Device Package-			
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackagePackageSeriesPSOC? 4 CY8C4100SCore ProcessorARM? Cortex?-M0+Core Size32-BitSpeed24MHzConnectivityI2C, IrDA, LIN, Microwire, SmartCard, SPI, SSP, UART/USARTPeripheralsBrown-out Detect/Reset, CapSense, LCD, LVD, POR, PWM, WDTNumber of I/O36Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x10b, 1x12b SAROscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case-Supplier Device Package-Supplier Device Package-	Manufacturer Part Number	CY8C4126AZI-S433	
Embedded - MicrocontrollersPackage-SeriesPSOC? 4 CY8C4100SCore ProcessorARM? Cortex?-M0+Core Size32-BitSpeed24MHzConnectivity12C, IrDA, LIN, Microwire, SmartCard, SPI, SSP, UART/USARTPeripheralsBrown-out Detect/Reset, CapSense, LCD, LVD, POR, PWM, WDTNumber of I/O36Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-Nutsize8K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x10b, 1x12b SAROscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case-Supplier Device Package-	Manufacturer	Cypress Semiconductor Corp	
Package-SeriesPSOC? 4 CY8C4100SCore ProcessorARM? Cortex?-M0+Core Size32-BitSpeed24MHzConnectivity12C, IrDA, LIN, Microwire, SmartCard, SPI, SSP, UART/USARTPeripheralsBrown-out Detect/Reset, CapSense, LCD, LVD, POR, PWM, WDTNumber of I/O36Program Memory Size64KB (64K x 8)PEROM Size-RAM SizeSK x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x10b, 1x12b SAROperating Temperature4.0°C ~ 85°C (TA)Mounting Type-Package / Case.Supplier Device Package.Supplier Device Package.	Category	Integrated Circuits (ICs)	
SeriesPSOC? 4 CY8C4100SCore ProcessorARM? Cortex?-M0+Core Size32-BitSpeed24MHzConnectivityI2C, IrDA, LIN, Microwire, SmartCard, SPI, SSP, UART/USARTPeripheralsBrown-out Detect/Reset, CapSense, LCD, LVD, POR, PWM, WDTNumber of I/O36Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x10b, 1x12b SAROscillator Type-Mounting Type-Prakage / Case-Supplier Device Package-		Embedded - Microcontrollers	
Core ProcessorARM? Cortex?-M0+Core Size32-BitSpeed24MHzConnectivityI2C, IrDA, LIN, Microwire, SmartCard, SPI, SSP, UART/USARTPripheralsBrown-out Detect/Reset, CapSense, LCD, LVD, POR, PWM, WDTNumber of I/O36Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-Nutber of Supply (Vcc/Vdd)1/1 V ~ 5.5 VData ConvertersAD 1x10b, 1x12b SAROperating Temperature-40°C ~ 85°C (TA)Mounting Type-Prakage / Case-Supplier Device Package-Supplier Device Package-	Package	-	
Core Size32-BitSpeed24MHzConnectivityIC, IrDA, LIN, Microwire, SmartCard, SPI, SSP, UART/USARTPeripheralsBrown-out Detect/Reset, CapSense, LCD, LVD, POR, PWM, WDTNumber of I/O36Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x10b, 1x12b SAROscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case-Supplier Device Package-	Series	PSOC? 4 CY8C4100S	
Speed24MHzConnectivityI2C, IrDA, LIN, Microwire, SmartCard, SPI, SSP, UART/USARTPeripheralsBrown-out Detect/Reset, CapSense, LCD, LVD, POR, PWM, WDTNumber of I/O36Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x10b, 1x12b SAROscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case-Supplier Device Package-	Core Processor	ARM? Cortex?-M0+	
PrimeEnternalConnectivityI2C, IrDA, LIN, Microwire, SmartCard, SPI, SSP, UART/USARTPeripheralsBrown-out Detect/Reset, CapSense, LCD, LVD, POR, PWM, WDTNumber of I/O36Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x10b, 1x12b SAROscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case-Supplier Device Package-	Core Size	32-Bit	
PeripheralsBrown-out Detect/Reset, CapSense, LCD, LVD, POR, PWM, WDTNumber of I/O36Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x10b, 1x12b SAROperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case-Supplier Device Package-	Speed	24MHz	
Number of I/O36Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x10b, 1x12b SAROscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case-Supplier Device Package-	Connectivity	I2C, IrDA, LIN, Microwire, SmartCard, SPI, SSP, UART/USART	
Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x10b, 1x12b SAROscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case-Supplier Device Package-	Peripherals	Brown-out Detect/Reset, CapSense, LCD, LVD, POR, PWM, WDT	
Program Memory TypeFLASHEEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vd)1.71 V ~ 5.5 VData ConvertersA/D 1x10b, 1x12b SAROscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case-Supplier Device Package-	Number of I/O	36	
EEPROM Size-RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x10b, 1x12b SAROscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case-Supplier Device Package-	Program Memory Size	64KB (64K x 8)	
RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x10b, 1x12b SAROscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case-Supplier Device Package-	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x10b, 1x12b SAROscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case-Supplier Device Package-	EEPROM Size	-	
Data ConvertersA/D 1x10b, 1x12b SAROscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case-Supplier Device Package-	RAM Size	8K x 8	
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case-Supplier Device Package-	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 5.5 V	
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case-Supplier Device Package-	Data Converters	A/D 1x10b, 1x12b SAR	
Mounting Type-Package / Case-Supplier Device Package-	Oscillator Type	Internal	
Package / Case - Supplier Device Package -	Operating Temperature	-40°C ~ 85°C (TA)	
Supplier Device Package -	Mounting Type	-	
	Package / Case	-	
Report errors?	Supplier Device Package	-	
			Report errors?

CY8C4126AZI-S433 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.

CY8C4126AZI-S433 Payment Methods





If you have any question about CY8C4126AZI-S433, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com