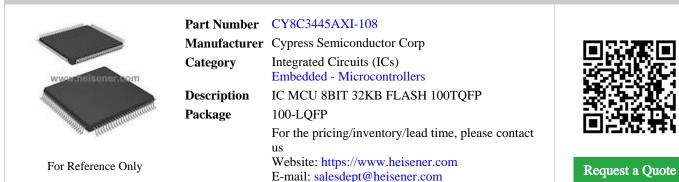


CY8C3445AXI-108

CY8C3445AXI-108 Information



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.



CY8C3445AXI-108 Specifications

Manufacturer Part NumberCY8C3445AXI-108ManufacturerCypress Semiconductor CorpCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersEmbedded - MicrocontrollersPackage100-LQFPSeriesPSOC? 3 CY8C34xxCore Processor8051Core Size8-BitSpeed50MHzConnectivityEBI/EMI, 12C, LIN, SPI, UART/USART, USBPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O62Program Memory SizeSLKS (32K x 8)Program Memory TypeFLASHEEPROM SizeATX x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersADI 1x12b, D/A 2x8bOscillator TypeInternalOperating Temperature4.0° C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPMounting Type-Package / Case100-LQFPMounting Type-Package / Case100-LQFPMounting Type-Package / Case100-LQFPPackage / Case100-LQFPPacka		
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage100-LQFPSeriesPSOC? 3 CY8C34xxCore Processor8051Core Size8-BitSpeed50MHzConnectivityEBI/EMI, I2C, LIN, SPI, UART/USART, USBPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O62Program Memory Size3KB (32K x 8)Program Memory TypeFLASHEEPROM Size1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-TQFP (14x14)	Manufacturer Part Number	CY8C3445AXI-108
HereEmbedded - MicrocontrollersPackage100-LQFPSeriesPSOC? 3 CY8C34xxCore Processor8051Core Size8-BitSpeed50MHzConnectivityEBI/EMI, 12C, LIN, SPI, UART/USART, USBPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O62Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size1K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type100-LQFPSupplier Device Package100-TQFP (14x14)	Manufacturer	Cypress Semiconductor Corp
Package100-LQFPSeriesPSOC? 3 CY8C34xxCore Processor8051Core Size8-BitSpeed50MHzConectivityEBI/EMI, 12C, LIN, SPI, UART/USART, USBPeripheralsCagSense, DMA, LCD, POR, PWM, WDTNumber of I/O62Program Memory SizeJ2KB (32K x 8)FEPROM SizeIK x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOrgenting Temperature-40°C ~ 85°C (TA)Mounting Type100-LQFPSupplier Device Package100-TQFP (14x14)	Category	Integrated Circuits (ICs)
SeriesPSOC? 3 CY8C34xxCore Processor8051Core Size8-BitSpeed50MHzConnectivityEBI/EMI, I2C, LIN, SPI, UART/USART, USBPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O62Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size1/X × 8Voltage - Supply (Vcc/Vdd)1/1 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator Type-Operating Temperature-40°C ~ 85°C (TA)Mounting Type100-LQFP (14x14)		Embedded - Microcontrollers
Core Processor8051Core Size8-BitSpeed50MHzConnectivityEBI/EMI, 12C, LIN, SPI, UART/USART, USBConnectivityCapSense, DMA, LCD, POR, PWM, WDTPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O62Program Memory SizeS2KB (32K x 8)Program Memory TypeFLASHEEPROM Size1K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersJOL 12b, D/A 2x8bOscillator Type-Munting Type-Package / Case100-LQFPSupplier Device Package100-TQF (14x14)	Package	100-LQFP
Core Size8-BitSpeed50MHzConnectivityEBI/EMI, I2C, LIN, SPI, UART/USART, USBPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O62Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size1K x 8RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.71 V~ 5.5 VData ConvertersADI 1x12b, D/A 2x8bOperating Temperature-40°C ~ 85°C (TA)Mounting Type10-LQFPSuppler Device Package100-TQFP (14x14)	Series	PSOC? 3 CY8C34xx
Speed50MHzConnectivityEBI/EMI, I2C, LIN, SPI, UART/USART, USBPeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O62Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size1K x 8RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.71 V~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOperating Temperature40°C ~ 85°C (TA)Mounting Type.Package / Case100-LQFP (14x14)	Core Processor	8051
Connectivity EBI/EMI, I2C, LIN, SPI, UART/USART, USB Peripherals CapSense, DMA, LCD, POR, PWM, WDT Number of I/O 62 Program Memory Size 32KB (32K x 8) Program Memory Type FLASH EEPROM Size 1K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 5.5 V Data Converters A/D 1x12b, D/A 2x8b Oscillator Type 1.40°C ~ 85°C (TA) Operating Temperature 40°L QPP (14x14)	Core Size	8-Bit
PeripheralsCapSense, DMA, LCD, POR, PWM, WDTNumber of I/O62Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size1K x 8RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator Type-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP (14x14)	Speed	50MHz
Number of I/O62Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size1K x 8RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-TQFP (14x14)	Connectivity	EBI/EMI, I2C, LIN, SPI, UART/USART, USB
Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size1K x 8RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type.Package / Case100-LQFPSupplier Device Package100-TQFP (14x14)	Peripherals	CapSense, DMA, LCD, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size1K x 8RAM Size4K x 8Voltage - Supply (Vcc/Vd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-TQFP (14x14)	Number of I/O	62
EEPROM SizeIK x 8RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-TQFP (14x14)	Program Memory Size	32KB (32K x 8)
RAM Size4K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-TQFP (14x14)	Program Memory Type	FLASH
NoteVoltage - Supply (Vcc/Vdd)1.71 V ~ 5.5 VData ConvertersA/D 1x12b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-TQFP (14x14)	EEPROM Size	1K x 8
Data ConvertersA/D 1x12b, D/A 2x8bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-TQFP (14x14)	RAM Size	4K x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-TQFP (14x14)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 5.5 V
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-TQFP (14x14)	Data Converters	A/D 1x12b, D/A 2x8b
Mounting Type-Package / Case100-LQFPSupplier Device Package100-TQFP (14x14)	Oscillator Type	Internal
Package / Case100-LQFPSupplier Device Package100-TQFP (14x14)	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package100-TQFP (14x14)	Mounting Type	-
	Package / Case	100-LQFP
	Supplier Device Package	100-TQFP (14x14)
Report errors?		Report errors?

CY8C3445AXI-108 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 BUARANTEE

Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

CY8C3445AXI-108 Payment Methods



CY8C3445AXI-108 Shipping Methods



If you have any question about CY8C3445AXI-108, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com