

MK10DX256VLL7

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MK10DX256VLL7 Information

www.beityser.com	Part Number	MK10DX256VLL7
	Manufacturer	NXP
	Category	Integrated Circuits (ICs) Embedded - Microcontrollers
	Description	IC MCU 32BIT 256KB FLASH 100LQFP
	Package	100-LQFP
a flow		For the pricing/inventory/lead time, please contact
For Reference Only		us Website: https://www.heisener.com E-mail: salesdept@heisener.com

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MK10DX256VLL7 Specifications

Manufacturer Part NumberMK10DX256VLL7ManufacturerNXPCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage100-LQFPSeriesKinetis K10Core ProcessorARM? Cortex?-M4Core Size32-BitSpeed72MHzConnectivityCMA, EJS, LVD, POR, PWM, WDTNumber of I/O70Program Memory TypeELASHFARMSizeSK8 (256K x 8)RAMSizeK4 x 8Voltage - Supply (Vcc/Vdd)I/1 V ~ 3.6 VData ConvertersAD3 x16b, D/A 1x12bOronting Type-Package / CaseMOULTY CASAProgram Memory TypeInternalProgram Memory TypeStar BFackage / Supply (Vcc/Vdd)I/1 V ~ 3.6 VProgram SizeAD3 x16b, D/A 1x12bPorting Temperature-Program SizeInternalProgram SizeMD3 x16b, D/A 1x12bProgram SizeInternalProgram SizeInternalProgram SizeMD3 x16b, D/A 1x12bProgram SizeInternalProgram SizeInternal </th <th>-</th> <th></th>	-	
CategoryIntegrated Circuits (ICS)BackageBineded - MicrocontrollersPackage100-LQFPSeriesKinetis K10Core ProcessorARM? Cortex?-M4Core Size32-BitSpeed72MHzConnectivityCAN, EBI/EMI, I2C, IrDA, SPI, UART/USARTNumber of I/O70PreipheralsDMA, 12S, LVD, POR, PWM, WDTNumber of I/O56KB (256K x 8)FOrgam Memory Size25KB (256K x 8)FRAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VNation Type4.02 x 105° (TA)Operating Temperature4.00° x 105° (TA)Mounting Type-Fackage / Case100-LQFP	Manufacturer Part Number	MK10DX256VLL7
Indexded - MicrocontrollersPackage100-LQFPSeriesKinetis K10Core ProcessorARM? Cortex?-M4Core Size32-BitSpeed72MHzConnectivityCAN, EBI/EMI, 12C, IrDA, SPI, UART/USARTPeripheralsDMA, 12S, LVD, POR, PWM, WDTNumber of I/O70Program Memory Size256KB (256K x 8)FRPGM SizeKx 8KAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersAD 37x16b, D/A 1x12bOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Fackage / Case100-LQFP	Manufacturer	NXP
Package100-LQFPSeriesKinetis K10Core ProcessorARM? Cortex?-M4Core Size32-BitSped72MHzConnectivityCAN, EBI/EMI, I2C, IrDA, SPI, UART/USARTPeripheralsDMA, 12S, LVD, POR, PWM, WDTNumber of I/O70Program Memory SizeS6KB (256K x 8)Program Memory TypeFLASHEEPROM Size2K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersAMO 37x16b, D/A 1x12bOscillator Type-Mounting Type-Package / Case100-LQFP	Category	Integrated Circuits (ICs)
SeriesKinetis K10Core ProcessorARM? Cortex?-M4Core Size32-BitSpeed72MHzConnectivityCAN, EBI/EMI, I2C, IrDA, SPI, UART/USARTPeripheralsDMA, I2S, LVD, POR, PWM, WDTNumber of I/O70Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size2K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 37x16b, D/A 1x12bOscillator Type-Portang Temperature-Mounting Type-Package / Case100-LQFP		Embedded - Microcontrollers
Core ProcessorARM? Cortex?-M4Core Size32-BitSpeed72MHzConnectivityCAN, EBI/EMI, I2C, IrDA, SPI, UART/USARTPeripheralsDMA, I2S, LVD, POR, PWM, WDTNumber of I/O70Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size2K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersAD 37x16b, D/A 1x12bOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case100-LQFP	Package	100-LQFP
Core Size32-BitSpeed72MHzConnectivityCAN, EBI/EMI, I2C, IrDA, SPI, UART/USARTPeripheralsDMA, I2S, LVD, POR, PWM, WDTNumber of I/O70Program Memory Size565KB (256K x 8)Program Memory TypeFLASHEEPROM Size2K x 8Voltage - Supply (Vcc/Vdd)1/1 V ~ 3.6 VData ConvertersAD 37x16b, D/A 1x12bOperating Temperature40°C ~ 105°C (TA)Mounting Type-Package / Case100-LQFP	Series	Kinetis K10
Speed72MHzConnectivityCAN, EBI/EMI, I2C, IrDA, SPI, UART/USARTPeripheralsDMA, I2S, LVD, POR, PWM, WDTNumber of I/O70Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size2K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersAD37x16b, D/A 1x12bOscillator Type-Mounting Type-Package / Case100-LQFP	Core Processor	ARM? Cortex?-M4
ConnectivityCAN, EBI/EMI, 12C, IrDA, SPI, UART/USARTPeripheralsDMA, 12S, LVD, POR, PWM, WDTNumber of I/O70Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size2K x 8RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 37x16b, D/A 1x12bOscillator TypeInternalOperating Temperature40°C ~ 105°C (TA)Mounting Type100-LQFP	Core Size	32-Bit
Peripherals DMA, 12S, LVD, POR, PWM, WDT Number of I/O 70 Program Memory Size 256KB (256K x 8) Program Memory Type FLASH EEPROM Size 2K x 8 RAM Size 64K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 37x16b, D/A 1x12b Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 100-LQFP	Speed	72MHz
Number of I/O 70 Program Memory Size 256KB (256K x 8) Program Memory Type FLASH EEPROM Size 2K x 8 RAM Size 64K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 37x16b, D/A 1x12b Oscillator Type -40°C ~ 105°C (TA) Poerating Temperature - Package / Case 100-LQFP	Connectivity	CAN, EBI/EMI, I2C, IrDA, SPI, UART/USART
Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size2K x 8RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 37x16b, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case100-LQFP	Peripherals	DMA, I2S, LVD, POR, PWM, WDT
Program Memory TypeFLASHFEPROM Size2K x 8RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 37x16b, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case100-LQFP	Number of I/O	70
EEPROM Size2K x 8RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 37x16b, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case100-LQFP	Program Memory Size	256KB (256K x 8)
RAM Size64K x 8Voltage - Supply (Vcc/Vd)1.71 V ~ 3.6 VData ConvertersA/D 37x16b, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case100-LQFP	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 37x16b, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case100-LQFP	EEPROM Size	2K x 8
Data ConvertersA/D 37x16b, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case100-LQFP	RAM Size	64K x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case100-LQFP	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Operating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case100-LQFP	Data Converters	A/D 37x16b, D/A 1x12b
Mounting Type-Package / Case100-LQFP	Oscillator Type	Internal
Package / Case 100-LQFP	Operating Temperature	-40°C ~ 105°C (TA)
	Mounting Type	-
Supplier Device Package100-LQFP (14x14)	Package / Case	100-LQFP
	Supplier Device Package	100-LQFP (14x14)
Report error		Report errors

MK10DX256VLL7 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.

MK10DX256VLL7 Payment Methods



MK10DX256VLL7 Shipping Methods



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