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See specifications for product details.



MCIMX6X4EVM10AB

Manufacturer Part Number **MCIMX6X4EVM10AB**

Manufacturer **NXP Semiconductors**

Allelco Part Number **32D-MCIMX6X4EVM10AB**

ECAD Model [Request Free CAD Models](#)

Parts Description **IC MPU I.MX6SX 1GHZ 529MAPBGA**

Package **529-LFBGA**

Data sheet [i.MX 6 Series Overview.pdf](#)

[i.MX 6SoloX Industrial, Series Datasheet.pdf](#)

RoHs Status **ROHS3 Compliant**

Get a Quote

MCIMX6X4EVM10AB - NXP USA Inc..New Original in Stock. Download Linear Technology MCIMX6X4EVM10AB datasheet/specifications on AllelcoElec.com.
Request a quote for MCIMX6X4EVM10AB, please send us email: info@allelco.com

Specifications

MCIMX6X4EVM10AB Tech Specifications
MCIMX6X4EVM10AB - NXP USA Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	NXP Semiconductors	Operating Temperature	-20°C ~ 105°C (TJ)
Voltage - I/O	1.8V, 2.5V, 2.8V, 3.15V	Number of Cores/Bus Width	2 Core, 32-Bit
USB	USB 2.0 + PHY (1), USB 2.0 OTG + PHY (2)	Mounting Type	Surface Mount
Supplier Device Package	529-MAPBGA (19x19)	Graphics Acceleration	Yes
Speed	227MHz, 1GHz	Ethernet	10/100/1000Mbps (2)
Series	i.MX6SX	Display & Interface Controllers	Keypad, LCD, LVDS
Security Features	A-HAB, ARM TZ, CAAM, CSU, SNVS, System JTAG, TVDECODE	Core Processor	ARM® Cortex®-A9, ARM® Cortex®-M4
SATA	-	Co-Processors/DSP	Multimedia; NEON™ MPE
RAM Controllers	LPDDR2, LVDDR3, DDR3	Base Product Number	MCIMX6
Package / Case	529-LFBGA	Additional Interfaces	AC'97, CAN, I²C, I²S, MMC/SD/SDIO, PCIe, SAI, SPDIF, SPI, SSI, UART, VADC
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MCIMX6X4EVM10AB

Product Attribute				
Part Number	MCIMX6X4EVM10AB	MCIMX6X3EVK10AB	MCIMX6Y0DVM05AB	MCIMX6X2EVM10AC
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Operating Temperature	-20°C ~ 105°C (TJ)	-20°C ~ 105°C (TJ)	0°C ~ 95°C (TJ)	-20°C ~ 105°C (TJ)
Package	Tray	Tray	Tray	Tray
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Additional Interfaces	AC'97, CAN, I²C, I²S, MMC/SD/SDIO, PCIe, SAI, SPDIF, SPI, SSI, UART, VADC	AC'97, CAN, I²C, I²S, MMC/SD/SDIO, SAI, SPDIF, SPI, SSI, UART	I²C, SPI, UART	AC97, CAN, I²C, I²S, MMC/SD/SDIO, PCIe, SAI, SPDIF, SPI, SSI, UART
Speed	227MHz, 1GHz	227MHz, 1GHz	528MHz	227MHz, 1GHz
Supplier Device Package	529-MAPBGA (19x19)	400-MAPBGA (14x14)	289-MAPBGA (14x14)	400-MAPBGA (17x17)
Core Processor	ARM® Cortex®-A9, ARM® Cortex®-M4	ARM® Cortex®-A9, ARM® Cortex®-M4	ARM® Cortex®-A7	ARM® Cortex®-A9, ARM® Cortex®-M4
Security Features	A-HAB, ARM TZ, CAAM, CSU, SNVS, System JTAG, TVDECODE	A-HAB, ARM TZ, CAAM, CSU, SNVS, System JTAG, TVDECODE	A-HAB, ARM TZ, CSU, SJC, SNVS	A-HAB, ARM TZ, CAAM, CSU, SNVS, System JTAG, TVDECODE
SATA	-	-	-	-
Series	i.MX6SX	i.MX6SX	i.MX6	i.MX6SX
USB	USB 2.0 + PHY (1), USB 2.0 OTG + PHY (2)	USB 2.0 + PHY (1), USB 2.0 OTG + PHY (2)	USB 2.0 OTG + PHY (1)	USB 2.0 + PHY (1), USB 2.0 OTG + PHY (2)
Ethernet	10/100/1000Mbps (2)	10/100/1000Mbps (2)	10/100Mbps (1)	10/100/1000Mbps (2)
Display & Interface Controllers	Keypad, LCD, LVDS	Keypad, LCD, LVDS	Electrophoretic, LCD	Keypad, LCD
Graphics Acceleration	Yes	Yes	No	Yes
Base Product Number	MCIMX6	MCIMX6	MCIMX6	MCIMX6
Package / Case	529-LFBGA	400-LFBGA	289-LFBGA	400-LFBGA
Co-Processors/DSP	Multimedia; NEON™ MPE	Multimedia; NEON™ MPE	Multimedia; NEON™ MPE	Multimedia; NEON™ MPE
Number of Cores/Bus Width	2 Core, 32-Bit	2 Core, 32-Bit	1 Core, 32-Bit	2 Core, 32-Bit
RAM Controllers	LPDDR2, LVDDR3, DDR3	LPDDR2, LVDDR3, DDR3	LPDDR2, DDR3, DDR3L	LPDDR2, LVDDR3, DDR3
Voltage - I/O	1.8V, 2.5V, 2.8V, 3.15V	1.8V, 2.5V, 2.8V, 3.15V	1.8V, 2.8V, 3.3V	1.8V, 2.5V, 2.8V, 3.15V

MCIMX6X4EVM10AB Datasheet PDF

Download MCIMX6X4EVM10AB pdf datasheets and NXP USA Inc. documentation for MCIMX6X4EVM10AB - NXP USA Inc..


PCN Packaging

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 i.MX 6SoloX Industrial, Series Datasheet.pdf

Customers Also Interested in

Recommended Products

					
MCIMX6X3EVK10AB NXP USA Inc. IC MPU I.MX6SX 1GHZ 400MAPBGA	MCIMX6Y0DVM05AB NXP USA Inc. I.MX6ULL ROM PERF ENHAN	MCIMX6X2EVN10AC NXP USA Inc. I.MX6SX ROM PERF ENHAN	MCIMX6X3EVK10ABR Freescale Semiconductor MCIMX6X - i.MX 6 series 32-bit M	MCIMX6Y0CVM05AA Freescale Semiconductor 528MHZ,ETHERNET X1, USB OTG X1,	MCIMX6X2AVN08AB NXP USA Inc. IC MPU I.MX6SX 800MHZ 400MAPBGA
					
MCIMX6Y1DVM05AB NXP USA Inc. I.MX6ULL ROM PERF ENHAN	MCIMX6Y1DVK05AA NXP USA Inc. 528MHZETHERNET X1 USB OTG X1	MCIMX6Y1DVM05AA NXP USA Inc. I.MX 32-BIT MPU ARM CORTEX-A7 C	MCIMX6X4AVM08AC NXP USA Inc. I.MX6SX ROM PERF ENHAN	MCIMX6Y0DVM05AA NXP USA Inc. 528MHZETHERNET X1 USB OTG X1	MCIMX6X4CVM08AB NXP USA Inc. IC MPU I.MX6SX 800MHZ 529MAPBGA
					
MCIMX6Y1CVM05AB NXP USA Inc. I.MX6ULL ROM PERF ENHAN	MCIMX6X3EVK10ABR NXP USA Inc. I.MX 6 SERIES 32-BIT MPU ARM CO	MCIMX6X3CVM08AB NXP USA Inc. IC MPU I.MX6SX 800MHZ 400MAPBGA	MCIMX6Y0CVM05AA NXP USA Inc. 528MHZ,ETHERNET X1, USB OTG X1,	MCIMX6X4AVM08AB NXP USA Inc. IC MPU I.MX6SX 800MHZ 529MAPBGA	MCIMX6X2EVN10AB NXP USA Inc. IC MPU 32BIT I.MX6 800MHZ 400BGA

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
 - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00




Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -

 Efficient Supply Management	 Cost-Saving Procurement	 Fast Sourcing & Delivery
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Contact us if you have any questions.

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