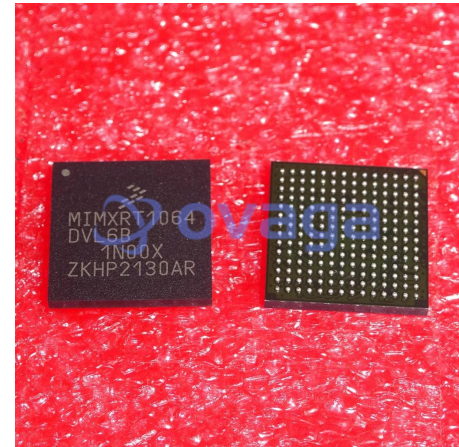


ARM Microcontrollers - MCU i.MXRT1064 USB Fix 10

Manufacturers	NXP Semiconductor
Package/Case	MAPBGA-196
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for MIMXRT1064DVL6B or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

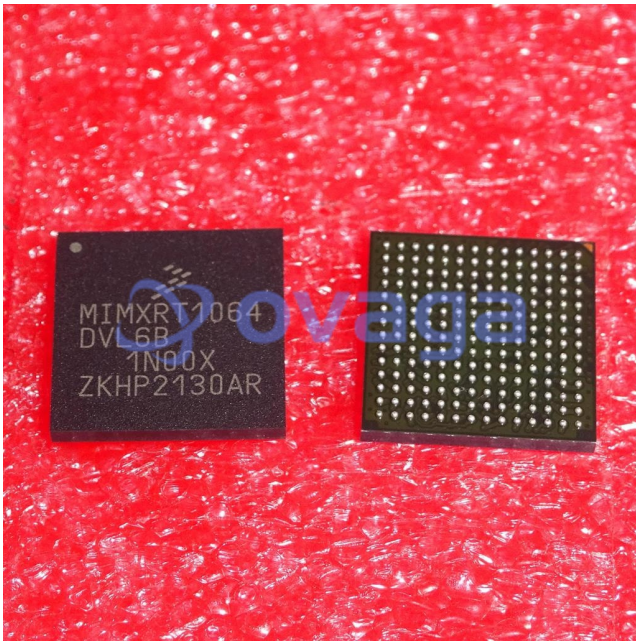
MIMXRT1064DVL6B is a microcontroller unit (MCU) produced by NXP Semiconductors. It is a member of the i.MX RT1060 family of MCUs, which are designed for real-time applications that require high performance and low power consumption.

Features

- It has a high-performance Arm Cortex-M7 core with a clock speed of up to 600 MHz.
- It has a large on-chip memory, including 1 MB of internal SRAM and 16 MB of Quad-SPI flash memory.
- It has a wide range of communication interfaces, including Ethernet, USB, CAN, I2C, SPI, UART, and more.
- It has a rich set of analog and digital peripherals, including ADC, DAC, PWM, and timers.
- It has advanced security features, including a hardware encryption engine and a secure boot mechanism.

Application

- Industrial control systems
- Motor control systems
- Human-machine interfaces (HMI)
- Consumer electronics
- Audio processing
- Robotics
- IoT devices



Related Products



[MPC8270CZQMIBA](#)

NXP Semiconductor
PBGA-516



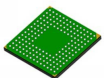
[MPC8270VRMIBA](#)

NXP Semiconductor
PBGA-516



[MPC8247CVRMIBA](#)

NXP Semiconductor
TEPBGA-484



[MPC8265ACZUMIBC](#)

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