

## MSP432P411VIPZR

### MSP432P411VIPZR Information

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Part Number MSP432P411VIPZR

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

**Description** ULTRA LOW POWER ARM MICRO CONTRO

Package -

For the pricing/inventory/lead time, please contact

us

For Reference Only

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## **MSP432P411VIPZR Specifications**

Manufacturer Part NumberMSP432P411VIPZRManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)Package-SeriesMSP432TMCore ProcessorARM® Cortex®-M4FCore Size32-BitSpeed48MHzConnectivityIPC, IrDA, SPI, UART/USARTPeripheralsDMA, LCD, POR, PWM, WDTNumber of I/O84Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.62 V ~ 3.7 VData ConvertersA/D 26x16b	•	
Category         Integrated Circuits (ICs)           Embedded - Microcontrollers           Package         -           Series         MSP432™           Core Processor         ARM® Cortex®-M4F           Core Size         32-Bit           Speed         48MHz           Connectivity         P°C, IrDA, SPI, UART/USART           Peripherals         DMA, LCD, POR, PWM, WDT           Number of I/O         84           Program Memory Size         512KB (512K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         128K x 8           Voltage - Supply (Vcc/Vdd)         1.62 V ~ 3.7 V           Data Converters         A/D 26x16b	Manufacturer Part Number	MSP432P411VIPZR
Package         -           Series         MSP432TM           Core Processor         ARM® Cortex®-M4F           Core Size         32-Bit           Speed         48MHz           Connectivity         PC, IrDA, SPI, UART/USART           Peripherals         DMA, LCD, POR, PWM, WDT           Number of I/O         84           Program Memory Size         512KB (512K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         128K x 8           Voltage - Supply (Vcc/Vdd)         1.62 V ~ 3.7 V           Data Converters         A/D 26x16b	Manufacturer	Texas Instruments
Package         -           Series         MSP432™           Core Processor         ARM® Cortex®-M4F           Core Size         32-Bit           Speed         48MHz           Connectivity         P°C, IrDA, SPI, UART/USART           Peripherals         DMA, LCD, POR, PWM, WDT           Number of I/O         84           Program Memory Size         512KB (512K x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         128K x 8           Voltage - Supply (Vcc/Vdd)         1.62 V ~ 3.7 V           Data Converters         A/D 26x16b	Category	Integrated Circuits (ICs)
SeriesMSP432TMCore ProcessorARM® Cortex®-M4FCore Size32-BitSpeed48MHzConnectivityP*C, IrDA, SPI, UART/USARTPeripheralsDMA, LCD, POR, PWM, WDTNumber of I/O84Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.62 V ~ 3.7 VData ConvertersA/D 26x16b		Embedded - Microcontrollers
Core Processor       ARM® Cortex®-M4F         Core Size       32-Bit         Speed       48MHz         Connectivity       P°C, IrDA, SPI, UART/USART         Peripherals       DMA, LCD, POR, PWM, WDT         Number of I/O       84         Program Memory Size       512KB (512K x 8)         Program Memory Type       FLASH         EEPROM Size       -         RAM Size       128K x 8         Voltage - Supply (Vcc/Vdd)       1.62 V ~ 3.7 V         Data Converters       A/D 26x16b	Package	-
Core Size       32-Bit         Speed       48MHz         Connectivity       P°C, IrDA, SPI, UART/USART         Peripherals       DMA, LCD, POR, PWM, WDT         Number of I/O       84         Program Memory Size       512KB (512K x 8)         Program Memory Type       FLASH         EEPROM Size       -         RAM Size       128K x 8         Voltage - Supply (Vcc/Vdd)       1.62 V ~ 3.7 V         Data Converters       A/D 26x16b	Series	MSP432 <sup>TM</sup>
Speed 48MHz Connectivity PC, IrDA, SPI, UART/USART Peripherals DMA, LCD, POR, PWM, WDT Number of I/O 84 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 128K x 8 Voltage - Supply (Vcc/Vdd) 1.62 V ~ 3.7 V Data Converters A/D 26x16b	Core Processor	ARM® Cortex®-M4F
Connectivity IPC, IrDA, SPI, UART/USART  Peripherals DMA, LCD, POR, PWM, WDT  Number of I/O 84  Program Memory Size 512KB (512K x 8)  Program Memory Type FLASH  EEPROM Size -  RAM Size 128K x 8  Voltage - Supply (Vcc/Vdd) 1.62 V ~ 3.7 V  Data Converters A/D 26x16b	Core Size	32-Bit
Peripherals  DMA, LCD, POR, PWM, WDT  84  Program Memory Size  512KB (512K x 8)  Program Memory Type  FLASH  EEPROM Size  -  RAM Size  128K x 8  Voltage - Supply (Vcc/Vdd)  1.62 V ~ 3.7 V  Data Converters  DMA, LCD, POR, PWM, WDT  84  12K x 8  FLASH  FLASH  FLASH  A/D 26x16b	Speed	48MHz
Number of I/O84Program Memory Size $512KB (512K \times 8)$ Program Memory TypeFLASHEEPROM Size-RAM Size $128K \times 8$ Voltage - Supply (Vcc/Vdd) $1.62 \text{ V} \sim 3.7 \text{ V}$ Data ConvertersA/D $26x16b$	Connectivity	I <sup>2</sup> C, IrDA, SPI, UART/USART
Program Memory Size 512KB (512K x 8)  Program Memory Type FLASH  EEPROM Size -  RAM Size 128K x 8  Voltage - Supply (Vcc/Vdd) 1.62 V ~ 3.7 V  Data Converters A/D 26x16b	Peripherals	DMA, LCD, POR, PWM, WDT
Program Memory Type FLASH  EEPROM Size -  RAM Size 128K x 8  Voltage - Supply (Vcc/Vdd) 1.62 V ~ 3.7 V  Data Converters A/D 26x16b	Number of I/O	84
EEPROM Size       -         RAM Size       128K x 8         Voltage - Supply (Vcc/Vdd)       1.62 V ~ 3.7 V         Data Converters       A/D 26x16b	Program Memory Size	512KB (512K x 8)
RAM Size $128K \times 8$ Voltage - Supply (Vcc/Vdd) $1.62 \text{ V} \sim 3.7 \text{ V}$ Data Converters $A/D 26x16b$	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) $1.62 \text{ V} \sim 3.7 \text{ V}$ Data Converters $A/D 26x16b$	EEPROM Size	-
Data Converters A/D 26x16b	RAM Size	128K x 8
	Voltage - Supply (Vcc/Vdd)	1.62 V ~ 3.7 V
	Data Converters	A/D 26x16b
Oscillator Type Internal	Oscillator Type	Internal
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$	Operating Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$
Mounting Type -	Mounting Type	-
Package / Case -	Package / Case	-
Supplier Device Package -	Supplier Device Package	-
Report errors?		Report errors?

#### **MSP432P411VIPZR 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.

### MSP432P411VIPZR Payment Methods



















### MSP432P411VIPZR Shipping Methods













If you have any question about MSP432P411VIPZR, please do not hesitate to contact us!

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