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See specifications for product details.



STM32MP157DAD1

Manufacturer Part Number	STM32MP157DAD1
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32MP157DAD1
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	MPU WITH ARM DUAL CORTEX-A7 800
Package	257-TFBGA
Data sheet	STM32MP157A.pdf
RoHs Status	ROHS3 Compliant

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Specifications

STM32MP157DAD1 Tech Specifications
STM32MP157DAD1 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	-20°C ~ 105°C (TJ)
Voltage - I/O	2.5V, 3.3V	Number of Cores/Bus Width	2 Core, 32-Bit
USB	USB 2.0 (2), USB 2.0 OTG+ PHY (3)	Mounting Type	Surface Mount
Supplier Device Package	257-TFBGA (10x10)	Graphics Acceleration	Yes
Speed	209MHz, 800MHz	Ethernet	10/100Mbps, GbE
Series	STM32MP1	Display & Interface Controllers	HDMI-CEC, LCD
Security Features	ARM TZ	Core Processor	ARM® Cortex®-A7
SATA	-	Co-Processors/DSP	ARM® Cortex®-M4
RAM Controllers	DDR3, DDR3L, LPDDR2, LPDDR3	Base Product Number	STM32
Package / Case	257-TFBGA	Additional Interfaces	CAN, Ethernet, I²C, MMC/SD/SDIO, SPDIF, SPI, UART, USB
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32MP157DAD1

Product Attribute				
Part Number	STM32MP157DAD1	STM32MP157DAC1	STM32MP157CAC3	STM32MP153AAB3
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
USB	USB 2.0 (2), USB 2.0 OTG+ PHY (3)	USB 2.0 (2), USB 2.0 OTG+ PHY (3)	USB 2.0 (2), USB 2.0 OTG+ PHY (3)	USB 2.0 (2), USB 2.0 OTG+ PHY (3)
Graphics Acceleration	Yes	Yes	Yes	Yes
Display & Interface Controllers	HDMI-CEC, LCD	HDMI-CEC, LCD	HDMI-CEC, LCD	HDMI-CEC, LCD
Speed	209MHz, 800MHz	209MHz, 800MHz	209MHz, 650MHz	209MHz, 650MHz
Voltage - I/O	2.5V, 3.3V	2.5V, 3.3V	2.5V, 3.3V	2.5V, 3.3V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	STM32MP1	STM32MP1	STM32MP1	STM32MP1
Operating Temperature	-20°C ~ 105°C (TJ)	-20°C ~ 105°C (TJ)	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)
Supplier Device Package	257-TFBGA (10x10)	361-TFBGA (12x12)	361-TFBGA (12x12)	354-LFBGA (16x16)
Additional Interfaces	CAN, Ethernet, I²C, MMC/SD/SDIO, SPDIF, SPI, UART, USB	CAN, Ethernet, I²C, MMC/SD/SDIO, SPDIF, SPI, UART, USB	CAN, Ethernet, I²C, MMC/SD/SDIO, SPDIF, SPI, UART, USB	CAN, Ethernet, I²C, MMC/SD/SDIO, SPDIF, SPI, UART, USB
Security Features	ARM TZ	ARM TZ	ARM TZ	ARM TZ
Package	Tray	Tray	Tray	Tray
Ethernet	10/100Mbps, GbE	10/100Mbps, GbE	10/100Mbps, GbE	10/100Mbps (1)
RAM Controllers	DDR3, DDR3L, LPDDR2, LPDDR3	DDR3, DDR3L, LPDDR2, LPDDR3	DDR3, DDR3L, LPDDR2, LPDDR3	DDR3, DDR3L, LPDDR2, LPDDR3
Base Product Number	STM32	STM32	STM32	STM32
Co-Processors/DSP	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Package / Case	257-TFBGA	361-TFBGA	361-TFBGA	354-LFBGA
Core Processor	ARM® Cortex®-A7	ARM® Cortex®-A7	ARM® Cortex®-A7	ARM® Cortex®-A7
SATA	-	-	-	-
Number of Cores/Bus Width	2 Core, 32-Bit	2 Core, 32-Bit	2 Core, 32-Bit	2 Core, 32-Bit

STM32MP157DAD1 Datasheet PDF

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Datasheets

[STM32MP157A.pdf](#)





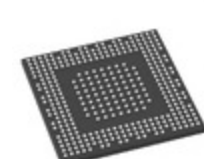

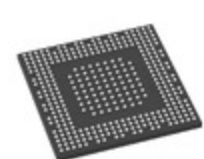
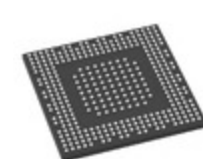
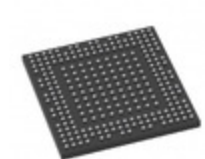
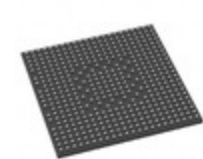
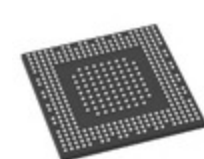

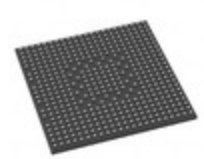

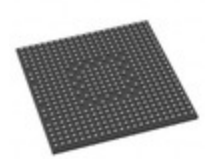
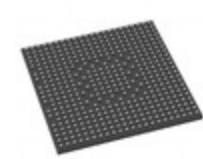


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Shipment

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

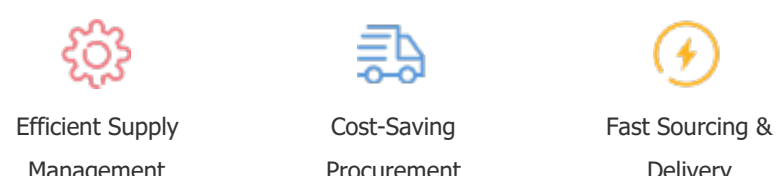
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

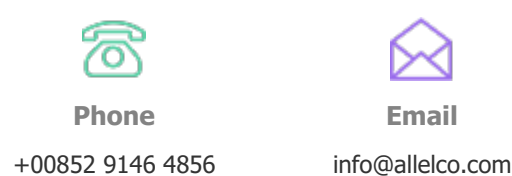
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,
PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



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