



Image may be representation.  
See specifications for product details.



## STA1080EOA

Manufacturer Part Number	<b>STA1080EOA</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STA1080EOA
ECAD Model	Request Free CAD Models
Parts Description	LFBGA16X16X1.7 361 F
Package	361-LFBGA
Data sheet	<b>STA108x,STA109x Brief.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

STA1080EOA - STMicroelectronics.New Original in Stock. Download Linear Technology STA1080EOA datasheet/specifications on AllelcoElec.com.  
Request a quote for STA1080EOA, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

STA1080EOA Tech Specifications  
STA1080EOA - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	-40°C ~ 85°C (TA)
Voltage - I/O	3.3V	Number of Cores/Bus Width	1 Core, 32-Bit
USB	USB 2.0 (1)	Mounting Type	Surface Mount
Supplier Device Package	361-LFBGA (16x16)	Graphics Acceleration	Yes
Speed	450MHz	Ethernet	-
Series	-	Display & Interface Controllers	LCD, Touchscreen
Security Features	-	Core Processor	ARM® Cortex®-R4
SATA	-	Co-Processors/DSP	ARM® Cortex®-M3
RAM Controllers	SDRAM	Base Product Number	STA1080
Package / Case	361-LFBGA	Additional Interfaces	CAN, I²C, SSP/SPI, UART
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STA1080EOA

Product Attribute				
Part Number	STA1080EOA	STA1078EOA	STA1095EOA	STA1085EOA3TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
SATA	-	-	-	-
Security Features	-	-	-	JTAG
Additional Interfaces	CAN, I²C, SSP/SPI, UART	CAN, I²C, SSP/SPI, UART	CAN, I²C, SSP/SPI, UART	CANbus, GPIO, I²C, I²S, MMC/SD, SSP, SPI, UART
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Ethernet	-	-	-	-
RAM Controllers	SDRAM	SDRAM	SDRAM	SDRAM
Speed	450MHz	450MHz	450MHz	450MHz
Series	-	-	-	-
Core Processor	ARM® Cortex®-R4	ARM® Cortex®-R4	ARM® Cortex®-R4	ARM® Cortex®-R4
Display & Interface Controllers	LCD, Touchscreen	LCD, Touchscreen	LCD, Touchscreen	LCD
Package	Tray	Tray	Tray	Tape & Reel (TR)
USB	USB 2.0 (1)	USB 2.0 (1)	USB 2.0 (1)	USB 2.0 (2)
Package / Case	361-LFBGA	256-TFBGA	361-LFBGA	361-LFBGA
Supplier Device Package	361-LFBGA (16x16)	256-TFBGA (11x11)	361-LFBGA (16x16)	361-LFBGA (16x16)
Graphics Acceleration	Yes	No	Yes	No
Co-Processors/DSP	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
Base Product Number	STA1080	STA1078	STA1095	-
Voltage - I/O	3.3V	3.3V	3.3V	3.3V
Number of Cores/Bus Width	1 Core, 32-Bit	1 Core, 32-Bit	2 Core, 32-Bit	2 Core, 32-Bit

### STA1080EOA Datasheet PDF

Download STA1080EOA pdf datasheets and STMicroelectronics documentation for STA1080EOA - STMicroelectronics.

#### Datasheets

STA108x,STA109x Brief.pdf

### Customers Also Interested in

#### Recommended Products



**STA1078EOA**  
STMicroelectronics  
TFBGA11SQX1.2 256 F1

**STA1102RUTR**  
STMicroelectronics  
IC REDRIVER ESATA 2CH 20QFN

**STA1095EOA**  
STMicroelectronics  
LFBGA16X16X1.7 361 F

**STA1060N1T**  
STMicroelectronics

**STA1085EOA3TR**  
STMicroelectronics  
LINEAR IC'S

**STA1060N**  
STMicroelectronics



**STA1052RP1**  
STMicroelectronics

**STA1085EOA3**  
STMicroelectronics  
LINEAR IC'S

**STA1052S1**  
STMicroelectronics  
DSP/MCU SYSTEM 144-LQFP

**STA1085POA3**  
STMicroelectronics  
LINEAR IC'S

**STA1060N1TX**  
STMicroelectronics  
IC DSP/MCU INFOTAINMENT

**STA1052S1-TR**  
STMicroelectronics  
DSP/MCU SYSTEM 144-LQFP



**STA1102RQTR**  
STMicroelectronics

**STA1060N1**  
STMicroelectronics

**STA1080EOAS1**  
STMicroelectronics  
LINEAR IC'S

**STA1052Z2**  
STMicroelectronics  
IC DSP/MCU INFOTAINMENT  
144LQFP

**STA1095POA3**  
STMicroelectronics  
LINEAR IC'S

**STA1060NV3**  
STMicroelectronics

## 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

Contact us if you have any questions.

- Phone  
+00852 9146 4856
- Email  
info@allelco.com

## Certifications & Memberships



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### Contact us

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