



Image may be representation.
See specifications for product details.



UPD78F0451GK-GAJ-AX

Manufacturer Part Number	UPD78F0451GK-GAJ-AX
Manufacturer	Renesas Electronics Corporation
Allelco Part Number	32D-UPD78F0451GK-GAJ-AX
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8BIT 16KB FLASH 64TQFP
Package	64-TQFP
Data sheet	uPD78F0441-45,51-55,61-65.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

UPD78F0451GK-GAJ-AX - Renesas Electronics America Inc. New Original in Stock. Download Linear Technology UPD78F0451GK-GAJ-AX datasheet/specifications on AllelcoElec.com.
Request a quote for UPD78F0451GK-GAJ-AX, please send us email: info@allelco.com

Specifications

UPD78F0451GK-GAJ-AX Tech Specifications

UPD78F0451GK-GAJ-AX - Renesas Electronics America Inc technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Renesas Electronics Corporation	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Speed	10MHz	Number of I/O	46
Series	78K0/Lx3	Mounting Type	Surface Mount
RAM Size	768 x 8	EEPROM Size	-
Program Memory Type	FLASH	Data Converters	A/D 8x10b
Program Memory Size	16KB (16K x 8)	Core Size	8-Bit
Peripherals	LCD, LVD, POR, PWM, WDT	Core Processor	78K/0
Package / Case	64-TQFP	Connectivity	3-Wire SIO, LINbus, UART/USART
Package	Tray	Base Product Number	UPD78F0451

Parts with Similar Specifications

The three parts on the right have similar specifications to Renesas Electronics America Inc UPD78F0451GK-GAJ-AX

Product Attribute				
Part Number	UPD78F0451GK-GAJ-AX	UPD78F0451GB-GAH-AX	UPD78F0441GB-GAH-AX	UPD78F0451GA-HAB-AX
Manufacturer	Renesas Electronics America Inc	Renesas Electronics America Inc	Renesas Electronics America Inc	Renesas Electronics America Inc
Number of I/O	46	46	46	46
Speed	10MHz	10MHz	10MHz	10MHz
Package	Tray	Tray	Tray	Tray
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Base Product Number	UPD78F0451	UPD78F0451	UPD78F0441	UPD78F0451
RAM Size	768 x 8	768 x 8	768 x 8	768 x 8
Series	78K0/Lx3	78K0/Lx3	78K0/Lx3	78K0/Lx3
Core Processor	78K/0	78K/0	78K/0	78K/0
Data Converters	A/D 8x10b	A/D 8x10b	-	A/D 8x10b
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Oscillator Type	Internal	Internal	Internal	Internal
Peripherals	LCD, LVD, POR, PWM, WDT	LCD, LVD, POR, PWM, WDT	LCD, LVD, POR, PWM, WDT	LCD, LVD, POR, PWM, WDT
Package / Case	64-TQFP	64-TQFP	64-LQFP	64-TQFP
Program Memory Size	16KB (16K x 8)	16KB (16K x 8)	16KB (16K x 8)	16KB (16K x 8)
Connectivity	3-Wire SIO, LINbus, UART/USART	3-Wire SIO, LINbus, UART/USART	3-Wire SIO, LINbus, UART/USART	3-Wire SIO, LINbus, UART/USART
EEPROM Size	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V

UPD78F0451GK-GAJ-AX Datasheet PDF

Download UPD78F0451GK-GAJ-AX pdf datasheets and Renesas Electronics America Inc documentation for UPD78F0451GK-GAJ-AX - Renesas Electronics America Inc.

Datasheets



















[uPD78F0441-45,51-55,61-65.pdf](#)

PCN Packaging

[2.73KHz.pdf](#)

Customers Also Interested in

Recommended Products

					
UPD78F0453GK Renesas Electronics Corporation	UPD78F0451GB-GAH-AX Renesas Electronics America Inc IC MCU 8BIT 16KB FLASH 64TQFP	UPD78F0472 Renesas Electronics Corporation	UPD78F0441GK NEC	UPD78F0441GB(R)-GAH NEC	UPD78F0441GB-GAH-AX Renesas Electronics America Inc IC MCU 8BIT 16KB FLASH 64LQFP
					
UPD78F0423GB Renesas Electronics Corporation	UPD78F0441 NEC	UPD78F0455GK-GAJ-SSA-AX NEC	UPD78F0472GK NEC	UPD78F0453 NEC	UPD78F0451GA-HAB-AX Renesas Electronics America Inc IC MCU 8BIT 16KB FLASH 64TQFP
					
UPD78F0433GB-GAG-AX Renesas Electronics America Inc IC MCU 8BIT 32KB FLASH 52LQFP	UPD78F0445GK-GAJ-AX Renesas Electronics America Inc IC MCU 8BIT 60KB FLASH 64LQFP	UPD78F0453GK-GAJ-AX Renesas Electronics America Inc IC MCU 8BIT 32KB FLASH 64TQFP	UPD78F0452GK-GAJ-AX Renesas Electronics America Inc IC MCU 8BIT 24KB FLASH 64TQFP	UPD78F0455GB-GAH-AX Renesas Electronics America Inc IC MCU 8BIT 60KB FLASH 64TQFP	UPD78F0471 NEC

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

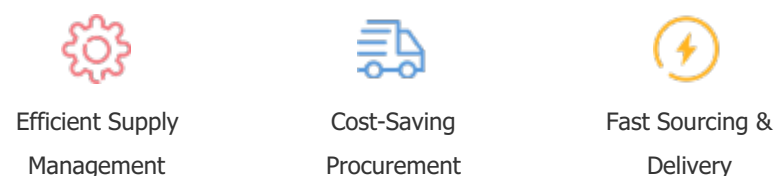
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

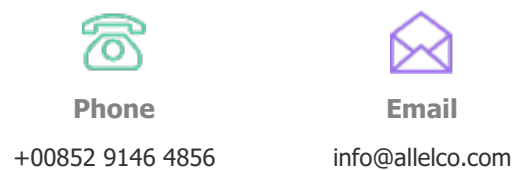
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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