

Microcontrollers, Development Tools and MCUs

MCU / MPU / DSP



MICROCONTROLLERS

This product is RoHS compliant.

The Infineon 8-bit and 16-bit microcontrollers are the perfect choice to control any electrical machine due to advanced peripheral sets, which are dedicated to achieve high performance in any motor drive logic design.



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8-Bit Microcontrollers

The new and advanced XC800 family of 8-bit microcontrollers offers a wide selection of products, combining a high performance 8051 core with on-chip Flash and ROM memory as well as a powerful mix of peripherals such as an enhanced CAPCOM6 (CC6), CAN, LIN and 10-bit ADC.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Infineon Part No.	Package Type	V _{DS} (max)	I _D (nom)	R _{DS} (ON) (max)	P _{tot} (max)	I _{SC} (max)	Price Each			
								1	10	100	500
726-SAF-XC866L2FRIBE	SAF-XC866L-2FRI BE	TSSOP-38	26.67 MHz	0.75 kB	8.0 kB	Flash	27	6.03	4.79	3.99	3.40
726-SAF-XC866L4FRIBE	SAF-XC866L-4FRI BE	TSSOP-38	26.67 MHz	0.75 kB	16.0 kB	Flash	27	4.30	3.63	3.08	2.62
726-SAFXC886CLM8FFI5	SAF-XC886CLM-8FFI5VAC	TQFP-48	24.0 MHz	1.75 kB	32.0 kB	Flash	34	8.70	7.50	5.60	5.00
726-SFXC8886FA5VAC	SAF-XC888-6FFA5VAC	TQFP-64	24.0 MHz	1.75 kB	24.0 kB	Flash	48	6.29	5.73	4.23	3.47
726-SFXC888C8FI3V3C	SAF-XC888C-8FI3V3AC	TQFP-64	24.0 MHz	1.75 kB	32.0 kB	Flash	48	8.50	7.30	5.40	4.80
726-SAFXC888CLM8FFI5	SAF-XC888CLM-8FFI5VAC	TQFP-64	24.0 MHz	1.75 kB	32.0 kB	Flash	48	9.30	8.10	6.20	5.60
726-SAK-XC866-2FRIBE	SAK-XC866-2FRI BE	TSSOP-38	26.67 MHz	0.75 kB	8.0 kB	Flash	27	6.03	4.79	3.99	3.40
726-SAK-XC866-4FRIBE	SAK-XC866-4FRI BE	TSSOP-38	26.67 MHz	0.75 kB	16.0 kB	Flash	27	6.80	5.30	3.88	3.33
726-SAK-XC866L2FRIBE	SAK-XC866L-2FRI BE	TSSOP-38	26.67 MHz	0.75 kB	8.0 kB	Flash	27	4.80	4.35	3.18	3.07
726-SAK-XC866L4FRIBE	SAK-XC866L-4FRI BE	TSSOP-38	26.67 MHz	0.75 kB	16.0 kB	Flash	27	5.43	5.13	3.70	3.59

16-Bit Microcontrollers

Infineon offers a broad portfolio of well established 16-bit microcontroller derivatives for a wide variety of applications. The standard C166® architecture has been in the market for about 15 years. It still surprises with new, optimised derivatives and will be continued for several more successful years.



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For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Infineon Part No.	Package Type	V _{DS} (max)	I _D (nom)	R _{DS} (ON) (max)	P _{tot} (max)	I _{SC} (max)	Price Each			
								1	10	100	500
726-SFXC164M16F40FBA	SAF-XC164CM-16F40FBA	LQFP64	40.0 MHz	8.0 kB	128.0 kB	Flash	47	19.04	16.36	12.01	9.97
726-SAKXC164CM16F20F	SAK-XC164CM-16F20F BA	LQFP64	20.0 MHz	8.0 kB	128.0 kB	Flash	47	19.37	16.69	12.34	10.30



DEVELOPMENT TOOLS

Infineon Technologies Tools & Software Partner offers a variety of embedded development tools and software solutions for our customers that support our entire family of microcontrollers.



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8-Bit Starter Kits

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Infineon Part No.	Package Type	CPU Clock MHz	Price Each
726-KITXC866EK	KIT_XC866_EK	SK-XC866 Easy Kit	26.67	118.59
726-KITXC866SK	KIT_XC866_SK	SK-XC866 Starter Kit	26.67	344.30



16-Bit Starter Kits

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Infineon Part No.	Package Type	CPU Clock MHz	Price Each
726-KITXC164CSEKV3	KIT_XC164CS_EK_V3	SK-XC164CS Easy Kit	40	332.93
726-KITXC164CMEKV3	KIT_XC164CM_EK_V3	SK-XC164CM Easy Kit	40	228.44

XC164CM U CAN Start Kit

The XC164CM U CAN start kit supports debug of the 16bit MCU via a USB-JTAG solution. The TwinCAN feature of the XC164CM includes 2 CAN transceivers allowing both CAN nodes to be accessed through a 10-pin header, which also allows access to analog and digital I/O signals. The kit comes with a dedicated CAN application program already loaded into the embedded flash memory of the XC164CM MCU, supported with an Application GUI, allowing for easy demonstration of the CAN features.

With only 4 easy steps to follow to get your kit up and running, this makes the XC164CM U CAN start kit a very versatile kit indeed!

Kit Includes:

- USB stick with SAF-XC164CM-8F40F 16-bit MCU
- Tasking XC166 Compiler
- HITEX HiTop debugger
- CAN demonstration programs.



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MOUSER STOCK NO.	Infineon Part No.	Package Type	Price Each
726-XE164UCONNECTUSB	XE164_UCONNECT_USB	SK-XC164CM U-CAN Starter Kit	129.95



NEC Electronics America MCUs



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MOUSER STOCK NO.	NEC Part No.	Description	Price Each		
			1	10	25
879-UPD78F0395GC-8EA	UPD78F0395GC-8EA-A	60KB Flash ROM 3KB RAM	7.30	7.12	6.94
879-UPD78F0397DGC8EA	UPD78F0397DGC-8EA-A	128KB Flash ROM 7KB RAM	9.68	9.44	9.20
879-UPD78F0397GC-8EA	UPD78F0397GC-8EA-A	128KB Flash ROM 100-pin LQFP7KB RAM	8.74	8.52	8.30
879-UPD78F0500MC5A4	UPD78F0500MC-5A4-A	8KB Flash ROM 512B RAM	3.12	3.04	2.96
879-UPD78F0503MC-5A4	UPD78F0503MC-5A4-A	32KB Flash ROM 1KB RAM	3.42	3.33	3.25
879-UPD78F0511GB-UES	UPD78F0511GB-UES-A	16KB Flash ROM 768B RAM	3.46	3.37	3.29
879-UPD78F0547DGCUBT	UPD78F0547DGC-UBT-A	128KB Flash ROM 7KB RAM, On-chip Debug	8.48	8.27	8.06
879-UPD78F0547GC-UBT	UPD78F0547GC-UBT-A	128KB Flash ROM 7KB RAM	7.86	7.66	7.47
879-UPD78F1146GB-GAH	UPD78F1146GB-GAH-AX	256KB Flash ROM 12KB RAM	12.85	11.61	11.25
879-UPD78F1166GC-UEU	UPD78F1166GC-UEU-AX	256KB Flash ROM 12KB RAM	14.73	13.31	12.90

