



- > Home (/cms/en/) > Products (/cms/en/product/) > Microcontroller (/cms/en/product/microcontroller/)
- > 32-bit TriCore™ Microcontroller (/cms/en/product/microcontroller/32-bit-tricore-microcontroller/)
- > AURIX™ – Safety joins Performance (/cms/en/product/microcontroller/32-bit-tricore-microcontroller/aurix-safety-joins-performance/)
- > AURIX™ Family – TC23xL (/cms/en/product/microcontroller/32-bit-tricore-microcontroller/aurix-safety-joins-performance/aurix-family-tc23xl/)
- > SAK-TC237LP-32F200N AC

Overview

Parametrics

Parametrics	SAK-TC237LP-32F200N AC
A/D Input Lines	24
A/D Input Lines (incl. FADC)	24
CAN Nodes	6
Clock Frequency max	200.0 MHz
DMA Channels	16
DSP Functionality	yes
External Bus Interface	no
Fast Flash Programming	no
FlexRay™	yes
Floating Point Unit	yes
I/O Operation Voltages	3.3 V
Instruction Set Architecture	TriCore™ v1.6E (32-bit)
Instruction Width ([bits])	32/16
Number of ADC Modules	2.0
On-chip Clock Generation	yes
On-chip Voltage Regulator	yes
Oscillator Watchdog	yes

In order to optimize your browsing experience Infineon uses cookies. You agree to the usage of cookies when you continue browsing this site. Please read our > [Privacy Policy \(/cms/en/about-infineon/privacy-policy/\)](/cms/en/about-infineon/privacy-policy/) for more information.

OK

Parametrics	SAK-TC237LP-32F200N AC
Program Memory	2.0 MByte
Real Time Clock	yes
SRAM (incl. Cache)	192.0 kByte
Temperature	-40°C - +125 °C
Touch/LED Matrix Control	no
Type of Memory	Flash
Watchdog Timer	yes

Order

Sales Product Name	SAK-TC237LP-32F200N AC
OPN	TC237LP32F200NACKXUMA1
Product Status	active and preferred
Package name	PG-LFBGA-292 (/cms/en/product/packages/PG-LFBGA/PG-LFBGA-292-6/)
Order online	
Completely lead free	yes
Halogen free	yes
RoHS compliant	yes
Packing Size	1000
Packing Type	TAPE & REEL
Moisture Level	
Moisture Packing	DRY

Boards

5 out of 7 boards

Image	Board	▼▲ Family	▼▲ Description	▼▲ Status ▼▲
-------	-------	-----------	----------------	--------------






Image				
	<p>KIT_AURIX_TC233LP_S_TRB (/cms/en/product/evaluation-boards/kit_aurix_tc233lp_s_trb/)</p>	<p>Microcontroller</p>	<p>For evaluation of SAK-TC233L including Getting Started, free Tricore Entry Tool Chain , technical documentation, compiler and debugger. USB cable for power supply and extension board.</p> <ul style="list-style-type: none"> • Evaluation Board • Extension Board • Free TriCore Entry Tool Chain • Power Supply • TC233L • USB cable 	<p>on request</p>
	<p>KIT_AURIX_TC233LP_TRB (/cms/en/product/evaluation-boards/kit_aurix_tc233lp_trb/)</p>	<p>Microcontroller</p>	<p>For evaluation of SAK-TC233LF including Getting Started, free Tricore Entry Tool Chain , technical documentation, compiler and debugger. USB cable for power supply and extension board.</p> <ul style="list-style-type: none"> • Evaluation Board • Extension Board • Free TriCore Entry Tool Chain • Power Supply • TC233L • USB cable 	<p>on request</p>

Image				
	KIT_AURIX_TC234_MOTORCTR (/cms/en/product/evaluation-boards/kit_aurix_tc234_motorctr/)	Microcontroller	With the Application Kit TC2x4, TC2x5 or TC2x7 it allows to drive a 3 Phase brushless motor. Applications can be developed easily. The eMotor Drive Kit is equipped with a variety of interfaces for position detection and current measurement. Additionally a driver IC (TLE9180) and a complete B6 bridge driver allow spinning a motor up to 50Watt. <ul style="list-style-type: none"> • AURIX™ 	active and preferred
	KIT_AURIX_TC234_TFT (/cms/en/product/evaluation-boards/kit_aurix_tc234_tft/)	Microcontroller	Low-cost and flexible application development platform for the 32-bit AURIX™ multi-core TriCore™ family. <ul style="list-style-type: none"> • SAK-TC234LP-32F200F 	on request
	KIT_AURIX_TC234LP_TRB (/cms/en/product/evaluation-boards/kit_aurix_tc234lp_trb/)	Microcontroller	For evaluation of SAK-TC234LF including Getting Started, free Tricore Entry Tool Chain , technical documentation, compiler and debugger. USB cable for power supply and extension board. <ul style="list-style-type: none"> • Evaluation Board • Extension Board • Free TriCore Entry Tool Chain • Power Supply • TC234L • USB cable 	on request

Show all boards

Support



[\(/cms/en/about-infineon/company/contacts/service-center/\)]((/cms/en/about-infineon/company/contacts/service-center/))

Find an answer to your question

Please state your question (with at least 3 words)

FAQ

1. [Digital Application Engineer \(DAvE >= Version 3\) \[CN\] \[DE\]](#)
2. [Digital Application Engineer \(DAvE 4\) \[CN\] \[DE\]](#)
3. [Technical Support \[CN\] \[DE\]](#)
4. [Chip Card and Security Distis \[CN\] \[DE\]](#)
5. [HiRel Discretes for special applications, e.g. Aero and Space \[CN\] \[DE\]](#)
6. [Supplier Service, Supplier Page, page registration \[CN\] \[DE\]](#)

Technical Assistance Center (TAC)

Infineon welcomes your comments and questions.

If you have any questions concerning our products, please fill out the following form. Your inquiry will be sent to the appropriate specialist who will be in touch with you as soon as possible.

You will receive a confirmation E-mail to validate your address in our system. Any attached file to the reply which will help to support your inquiry is highly appreciated.

First Name*

Last Name*

E-Mail*

Phone

Company*

Company website (URL)

Industry*

Other Industry

Country*

Preferred Distributor / Reseller*

Other Distributor / Reseller

Product Name*

Estimated annual production volume (pieces) per year*

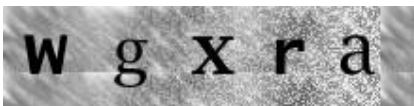
Please post your technical question as detailed as possible*

I agree that my personal data can be gathered and processed by Infineon Technologies AG and its licensed partners.*

I would like to receive newsletter informing me about Infineon products. (You can cancel the free subscription any time.)

For more information about our privacy policy please click on

> [Privacy Policy \(/cms/en/about-infineon/privacy-policy/\)](/cms/en/about-infineon/privacy-policy/)



Submit Reset

All fields marked with an asterisk (*) are mandatory.

Support forum

© 1999 - 2018 Infineon Technologies AG, 苏ICP备15016286号-1 (<http://www.miitbeian.gov.cn>)

