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XMC4500-E144F1024 AC

Description:

XMC4500 combines Infineon's leading-edge peripheral set with an industry-standard ARM® Cortex®-M4 core resulting in a power pack for energy-efficient industrial applications.
XMC4500 controllers feature a configurable peripheral set that allow to tailor the device to specific application needs. To capitalize fully on this flexibility, Infineon offers an industry-proven development environment DAVE™ that greatly eases SW development. DAVE™ 3 hosts a graphical user interface, low-level drivers, application libraries, an auto code generation engine and interfaces to generic or customer-selected development tools

Summary of Features:

- ARM® Cortex®-M4, 120MHz, incl. single cycle DSP MAC and floating point unit (FPU)
- IEEE 1588 compliant Ethernet MAC
- USB 2.0 full-speed on-the-go
- CPU Frequency: 120MHz
- eFlash: 1,024kB including hardware ECC
- 160kB SRAM
- Package: PG-LQFP-144

Target Applications:
- Motor control
- Position detection
- IO devices
- HMI
- Solar inverters
- SMPS
- Sense & control systems
- PLC
- UPS
- Light networks

XMC4500-E144F1024 AC
Data Sheet (1.9 MB, EN)

Voltage   Select V_{DS} [V] ▾

I_D (max)   ≥ [5] A

$R_{DS(on)}$ (max)   < [500] mΩ

Reset

[Find]

Type   ⦿ Discrete ◯ Module

XMC4500-E144F1024 AC

Parametric	XMC4500-E144F1024 AC
Budgetary Price €/1k	5.89
Clock Frequency **max**	120.0MHz
SRAM (incl. Cache)	160.0kByte
CAN Nodes	3
A/D Input Lines (incl. FADC)	26
Program Memory	1024.0kByte
Type of Memory	Flash
FlexRay^{TM}	no
Number of ADC Modules	4.0
Digital I/O Pins	91
Timed I/O Pins (PWM, CAPCOM)	83
Serial I/O Interfaces	6
Type of Serial I/O Interfaces	Ethernet 10/100
Type of Serial I/O Interfaces	I²C
Type of Serial I/O Interfaces	I²S
Type of Serial I/O Interfaces	LIN
Type of Serial I/O Interfaces	SPI

Type of Serial I/O Interfaces	UART
Type of Serial I/O Interfaces	USB
Type of Serial I/O Interfaces	USB
Instruction Width ([bits])	32/16
Instruction Set Architecture	ARM® Cortex™-M4 (32-bit)
Peripheral Control Processor	no
DMA Channels	14
Timer/Counter	26
External Bus Interface	yes
Fast Flash Programming	no
Temperature	-40 to 85°C
Power Mode	clock gating possible
DSP Functionality	yes
On-chip Clock Generation	yes
I/O Operation Voltages	3.3V
Touch/LED Matrix Control	yes
On-chip Voltage Regulator	yes
Real Time Clock	yes
Floating Point Unit	yes
Watchdog Timer	yes
Oscillator Watchdog	yes
Qualification	Industrial
Additional Features	Ethernet 10/100 Mbit/s, USB

XMC4500-E144F1024 AC

Data Sheet

Title	Size	Date	Version
XMC4500 Data Sheet › EN	1.9 MB	24 May 2016	01_04

Product Brochure

Title	Size	Date	Version
Product Brochure XMC™ Industrial Microcontroller › EN	4 MB	09 Feb 2016	00_00

Application Notes

Title	Size	Date	Version
AP32303 - XMC1000/XMC4000 - Universal Serial Interface Channel(USIC) › EN	1.8 MB	29 Jul 2015	01_00
AP32305 - XMC4000 - Versatile to Digital Converter(VADC) - Example Code › EN	3.7 MB	03 Aug 2016	01_02
AP32302 - XMC4000 - Delta Sigma Demodulator(DSD) - Example Code › EN	909 KB	29 Jul 2015	01_00
AP32339 - XMC1000/XMC4000 - Managing firmware integrity in XMC™ › EN	998 KB	13 Jun 2016	01_00
AP32290 - XMC4000 - General Purpose Direct Memory Access(GPDMA) › EN	726 KB	29 Jul 2015	01_00
AP32288 - XMC1000/XMC4000 - Capture Compare Unit 8(CCU8) › EN	1.2 MB	23 Mar 2016	01_01
AP32302 - XMC4000 - Delta Sigma Demodulator(DSD) › EN	1 MB	29 Jul 2015	01_00
AP32289 - XMC1000/XMC4000 - Position Interface(POSIF) › EN	1.3 MB	29 Jul 2015	01_00
AP32220 - XMC1000 - XMC4000 - Using DAVE™ with Rowley CrossWorks for ARM® › EN	1.2 MB	22 Oct 2014	01_02
Application Note XMC4000 firmware update via SDcard › EN	3.3 MB	12 Sep 2016	01_00
AP32339 - XMC1000/XMC4000 - Managing firmware integrity in XMC™ › EN	1,008 KB	30 Jun 2016	01_00
AP32301 - XMC4000 - Digital to Analog Converter(DAC) - Example Code › EN	900 KB	29 Jul 2015	01_00
AP32300 - XMC4000 - Controller Area Network Controller(MultiCAN) - Example Code › EN	1 MB	29 Jul 2015	01_00
AP32305 - XMC4000 - Versatile Analog to Digital Converter(VADC) › EN	6 MB	02 Aug 2016	01_02

AP32235 - XMC4000 - ASC Bootstrap Loader › EN	924 KB	19 Feb 2016	01_03
AP32300 - XMC4000 - Controller Area Network Controller(MultiCAN) › EN	992 KB	29 Jul 2015	01_00
AP32300 - XMC1400/XMC4000 - Controller Area Network Controller (MultiCAN) › EN	5.2 MB	30 Jun 2016	01_00
AP32301 - XMC4000 - Digital to Analog Converter(DAC) › EN	667 KB	29 Jul 2015	01_00
AP32306 - XMC1000/XMC4000 - Event Request Unit(ERU) › EN	725 KB	30 Jul 2015	01_00
AP32287 - XMC1000/XMC4000 - Capture Compare Unit 4(CCU4) › EN	1.1 MB	23 Mar 2016	01_01
AP32331 - XMC1000 - XMC4000 - Interrupt subsystem › EN	415 KB	24 May 2016	01_00
AP24026 - EMC and System-ESD Design Guidelines for Board Layout › EN	2.9 MB	15 Mar 2016	03_05
AP32290 - XMC4000 - Genereal Purpose Direct Memory Access(GPDMA) - Example Code › EN	891 KB	29 Jul 2015	01_00
Application Guide - XMC4000 - PCB Design Guidelines	302 KB	21 Nov 2013	01_00
AP32235 - XMC4000 - ASC Bootstrap Loader - Example Code › EN	22.2 MB	19 Feb 2016	01_03
Migration Guide - XMC1000/XMC4000 - Migration from CCU6 to CCU4/CCU8/POSIF	334 KB	03 Jun 2013	01_00
Migration Guide - XMC1000/XMC4000 - Migration from Timer2 to CCU4/CCU8	440 KB	03 Jun 2013	01_00
Application Guide - XMC4000 - Power Management Bus (PMBus) Host	1.4 MB	28 Feb 2014	01_01
Application Guide - XMC4000 - Power Management Bus (PMBus) Host - Example Code	6.6 MB	28 Feb 2014	01_01
Application Guide - XMC4000 - Power Management Bus (PMBus) Slave	1.1 MB	28 Feb 2014	01_01
Application Guide - XMC4000 - Power Management Bus (PMBus) Slave - Example Code	9.5 MB	28 Feb 2014	01_01
Device Guide - XMC4000 - C-Start and Device Initialization	1 MB	01 Jul 2013	01_00
Application Guide - XMC4000 - Digital Power Factor	1 MB	24 Jun 2013	01_00

Title	Size	Date	Version
Correction (PFC) using XMC4400			
Application Guide - XMC4000 - Digital Power Factor Correction (PFC) using XMC4400 - Example Code	11.2 MB	03 Jul 2013	01_00
Application Guide - XMC4000 - Fail-Safe Features	1.4 MB	05 Jun 2013	01_00
Device Guide - XMC4000 - Hibernate	1.2 MB	07 May 2013	01_00
AP32269 - XMC4000 - CAN Bootstrap Loader (BSL) › EN	857 KB	22 Oct 2014	01_00
Application Guide - XMC4000 - CAN Bootstrap Loader (BSL) - Example Code › EN	9.2 MB	22 Oct 2014	01_00

User Manual

Title	Size	Date	Version
XMC4500 Reference Manual	20.4 MB	22 Jul 2014	01_05
Board User's Manual "CPU Board XMC4500 SDRAM"	1.6 MB	20 Feb 2013	01_00
Board User´s Manual "Automation I/O Card"	1.2 MB	08 Mar 2012	01_00
Board User´s Manual "CPU Board XMC4500 General Purpose"	1,000 KB	27 Jul 2012	01_01
Board User´s Manual "Ethernet/CAN/RS485 Interface Card"	1.5 MB	08 Mar 2012	01_00
Board User´s Manual "Standard Human Machine Interface Card"	1.3 MB	08 Mar 2012	01_00
Board User's Manual "General Purpose Motor Drive Card"	1.4 MB	24 Sep 2012	01_00
DEV CCU4 User Guides	12.7 MB	13 Aug 2012	01_00
DEV POSIF User Guides	5.4 MB	13 Aug 2012	01_00

Errata Sheet

Title	Size	Date	Version
XMC4500 Errata Sheet for Steps EES-AA, ES-AA	2 MB	17 May 2013	01_04
XMC4500 Errata Sheet for Steps ES-AB, AB › EN	2.4 MB	18 May 2016	01_04
XMC4500 Errata Sheet for Steps ES-AC, AC › EN	2.2 MB	18 May 2016	01_02

Article

Title	Size	Date	Version
Article PSD From toys to tools › EN	3.3 MB	22 Jul 2016	01_00
Book about the Micrium µC/OS III and the XMC4500. The book explains in detail the RTOS µC/OS III, provides an overview about the XMC4500 and explains in details various reference projects.	9.8 MB	21 Jan 2013	
Embedded Component Based Programming with DAVE™ 3	1.1 MB	31 Oct 2012	
Measuring currents in drive technology with microcontrollers	367 KB	24 Sep 2012	
Implementing Complex Motor Control Algorithms	9.8 MB	05 Jun 2012	

Training

Title	Size	Date	Version
Tooling - XMC4000 boot mode options › EN	690 KB	18 Aug 2016	01_00
Application - Power conversion - Power factor correction (PFC) with XMC™ › EN	1.5 MB	18 Aug 2016	01_00
Application - power conversion - peak current control in XMC4 › EN	2.1 MB	29 Apr 2016	01_00
Tooling - Installation and Quick Start of iSYSTEM's winIDEA Open in DAVE™ version 4 › EN	1.5 MB	25 Aug 2016	01_00
Application - Power Conversion - XMC™ in Power Conversion Applications › EN	1.9 MB	20 Jul 2016	01_02
Tooling - Integrate XMC Lib LLD in 3rd Parties Tool Chains (Keil, IAR, Atollic and Rowley) › EN	1.5 MB	25 Aug 2016	01_01
Tooling - Import DAVE™ version 4 Generated Library Sources into Atollic TrueSTUDIO® for ARM® › EN	1.2 MB	25 Aug 2016	01_00
XMC™ - Product introduction › EN	1.3 MB	29 Apr 2016	01_00
Peripheral - EtherCAT® Slave Controller (ECAT) › EN	1.2 MB	18 Aug 2016	01_00
Application - Lighting - Digital Multiplex (DMX512) Receiving Device › EN	1.2 MB	17 Aug 2016	01_00
Application - Motor Control - XMC in Motor Control Applications › EN	2.8 MB	14 Jun 2016	01_00
Tooling - Lauterbach µTrace® for Cortex®-M with XMC4000	1.3 MB	25 Aug 2016	01_00

and XMC1000 Family › EN			
Tooling - Import DAVE™ version 4 Generated Library Sources into Rowley CrossWorks® for ARM® › EN	1 MB	25 Aug 2016	01_00
XMC™ - Introduction to targeted application segments › EN	1.3 MB	29 Apr 2016	01_00
Application - Lighting - Digital Addressable Lighting Interface (DALI) Control Gear › EN	2.1 MB	17 Aug 2016	01_00
Tooling - Import DAVE™ version 4 Generated Library Sources to ARM® MDK using CMSIS® PACK › EN	1.4 MB	25 Aug 2016	01_00
Training Introduction to Microcontroller World › EN	674 KB	13 Apr 2016	01_00
Application - Power conversion - XMC™ protections in digitally controlled SMPS › EN	996 KB	14 Jul 2016	01_00
Application - Power conversion - Power Management Bus (PMBus™) › EN	1.3 MB	03 Aug 2016	01_00
Application - Power conversion - Digital power conversion basics: from analog to digital › EN	1.3 MB	22 Aug 2016	01_00
Tooling - XMC™ Programmers and Flash Tools › EN	847 KB	23 Feb 2016	01_00
Peripheral - Multi-Controller Area Network (MultiCAN) › EN	1.1 MB	18 Aug 2016	01_00
Tooling - Import DAVE™ version 4 Generated Library Sources into IAR Embedded Workbench® for ARM® › EN	1.1 MB	25 Aug 2016	01_00
Peripheral - High Resolution PWM (HRPWM) › EN	2.9 MB	13 Apr 2015	01_01
Peripheral - Universal Serial Interface Channel (USIC) › EN	892 KB	14 Jun 2016	01_01
Peripheral - Universal Serial Bus (USB) › EN	375 KB	20 Jan 2015	01_00
Peripheral - Event Request Unit (ERU) › EN	1.1 MB	14 Jun 2016	01_01
Peripheral - Delta Sigma Demodulator (DSD) › EN	666 KB	20 Jan 2015	01_00
Peripheral - Versatile Analog to Digital Converter (VADC) › EN	1 MB	20 Jan 2015	01_00
Peripheral - LED and Touch-Sense (LEDTS) › EN	963 KB	14 Jun 2016	01_01
Peripheral - Ethernet MAC (ETH) › EN	504 KB	20 Jan 2015	01_00
Peripheral - Position Interface (POSIF) › EN	691 KB	14 Jun 2016	01_01

	Size	Date	Version
System - XMC4000 Debug System › EN	459 KB	27 Feb 2015	01_00
Peripheral - Flexible CRC Engine (FCE) › EN	350 KB	20 Jan 2015	01_00
System - XMC4000 System › EN	1.7 MB	27 Feb 2015	01_01
Peripheral - Secure Digital and MultiMediaCard (SDMMC) › EN	567 KB	20 Jan 2015	01_00
Peripheral - External Bus Unit (EBU) › EN	1.1 MB	20 Jan 2015	01_00
Peripheral - Hibernate › EN	809 KB	02 Feb 2015	01_00
Peripheral - Digital to Analog Converter (DAC) › EN	294 KB	20 Jan 2015	01_00
Peripheral - General Purposes DMA (GPDMA) › EN	421 KB	20 Jan 2015	01_00
Peripheral - Capture and Compare Unit 8 (CCU8) › EN	1,014 KB	14 Jun 2016	01_01
Peripheral - Multi-Controller Area Network (MultiCAN) › EN	810 KB	20 Jan 2015	01_00
Peripheral - Capture and Compare Unit 4 (CCU4) › EN	882 KB	14 Jun 2016	01_01

Additional Technical Information

Title	Size	Date	Version
Tooling Guide – Bootloader › EN	775 KB	20 Nov 2014	01_01

Additional Product Information

Title	Size	Date	Version
Advertisement Automatic Openings System › EN	134 KB	28 Jan 2016	01_00

Application Brochure

Title	Size	Date	Version
Application Brochure Automatic Opening System › EN	409 KB	28 Jan 2016	01_00
Application Brochure 3D Printer › EN	340 KB	23 Oct 2015	01_00
Solutions for construction, commercial and agricultural vehicles (CAV) › EN	6.7 MB	30 Jul 2014	

Product Selection Guide

Title	Size	Date	Version
Power Management Selection Guide 2016 › EN	21 MB	22 Feb 2016	00_00

Getting Started

Title	Size	Date	Version
DAVE™ Quick Start › EN	1.9 MB	11 May 2016	02_00
Micrium® µC/Probe™ XMC™ getting started › EN	3 MB	24 Aug 2016	01_00

XMC4500-E144F1024 AC

Sales Product Name	XMC4500-E144F1024 AC
OPN	XMC4500E144F1024ACXQSA1
Product Status	active and preferred
Order online	
Package Name	PG-LFBGA-144
Completely lead free	yes
Halogen free	yes
RoHS compliant	yes
Packing Size	240
Packing Type	TRAY
Moisture Level	3

XMC4500-E144F1024 AC

PCB Design Data

Title	Size	Date	Version
Boundary Scan Description Files for XMC4500 › EN	33 KB	22 Jun 2015	01_00
XMC4000 Library for Altium Designer	54 KB	10 Apr 2013	01_01

PCB Sources "CPU Board XMC4500 SDRAM" (Eagle)	577 KB	20 Feb 2013	01_00
PCB Sources "CPU Board XMC4500 General Purpose" (Eagle)	408 KB	05 Apr 2012	01_00
PCB Sources "Automation I/O Card" (Eagle)	383 KB	05 Apr 2012	01_00
PCB Sources „Ethernet/CAN/RS485 Interface Card" (Eagle)	360 KB	05 Apr 2012	01_00
PCB Sources - Standard Human Machine Interface Card (Eagle) › EN	336 KB	31 Mar 2016	01_00
PCB Sources "General Purpose Motor Drive Card" (Eagle) › EN	1.6 MB	31 Aug 2015	02_00
IBIS Simulation Models for XMC4500 Devices	3.8 MB	26 Aug 2013	
PCB Footprints & Symbols - 32-bit_XMC4000_Industrial_Microcontrollers_ARM-M4 - Altium - v1.0	10.2 MB	28 Oct 2013	01_00
PCB Footprints & Symbols - 32-bit_XMC4000_Industrial_Microcontrollers_ARM-M4 - Cadence - v1.0	858 KB	28 Oct 2013	01_00
PCB Footprints & Symbols - 32-bit_XMC4000_Industrial_Microcontrollers_ARM-M4 - Eagle - v1.0	233 KB	28 Oct 2013	01_00
PCB Footprints & Symbols - 32-bit_XMC4000_Industrial_Microcontrollers_ARM-M4 - Mentor - v1.0	1.3 MB	28 Oct 2013	01_00

Evaluation Boards

Board	Family	Description	Status
› KIT_XMC45_AE4_002	Microcontroller	CPU Board XMC4500 General Purpose - Standard Human Machine Interface Card (HMI_OLED-V1)- Ethernet/CAN/RS485 Interface Card (COM_ETH-V1)- J-Link Lite CortexM Debugger- Pin Extension Board (UNI_EXT01-V2)- Headset- USB cable • XMC4500	active and preferred
› KIT_XMC45_EE1_002	Microcontroller	CPU Board XMC4500 General Purpose - J-Link Lite CortexM Debugger - Pin Extension Board	active and preferred

		Debugger - Pin Extension Board (UNI_EXT01-V2) - USB cable - Getting Started Flyer • XMC4500	preferred
› KIT_XMC45_EE2_001	Microcontroller	CPU Board XMC4500 SDRAM - On-Board-Debugger - Pin Extension Board (UNI_EXT01-V2)- USB cable-Getting Started Flyer • IFX1763XEJ V33 • XMC4500-E144X1024 AC	active and preferred
› KIT_XMC45_RELAX_LITE_V1	Microcontroller	XMC4500 Microcontroller - Detachable on-board debugger - Power over USB - ESD and reverse current protection - 2 x user button and 2 x user LED - 4 x SPI-Master, 3x I2C, 3 x I2S, 3 x UART, 2 x CAN, 17 x ADC (12 bit), 2 x DAC, 31x PMW mapped on 2 Pin Headers 2 x 20 0.1" - Micro-USB plug • XMC4500	active and preferred
› KIT_XMC45_RELAX_V1	Microcontroller	XMC4500 Microcontroller - Detachable on-board debugger - Power over USB - ESD and reverse current protection - 2 x user button and 2 x user LED - 4 x SPI-Master, 3x I2C, 3 x I2S, 3 x UART, 2 x CAN, 17 x ADC (12 bit), 2 x DAC, 31x PMW mapped on 2 Pin Headers 2 x 20 0.1" - Micro-USB plug - Ethernet PHY and RJ45 jack - Real Time Clock crystal - 32 Mbit Quad-SPI Flash - microSD card slot • XMC4500	active and preferred
› KIT_XMC4X_AUT_ISO_001	Microcontroller	Automation I/O Card (AUT_ISO-V1) - Power Supply (24V / 1A) • XMC4500	active and preferred
› KIT_XMC4X_COM_ETH_001	Microcontroller	Ethernet/CAN/RS485 Interface Card (COM_ETH-V1) • XMC4500	active and preferred

› KIT_XMC4X_HMI_OLED_001	Microcontroller	Standard Human Machine Interface Card (HMI_OLED-V1) - Headset • XMC4500	active and preferred
› KIT_XMC4X_MOT_GPDLV_001	Microcontroller	General Purpose Motor Drive Card (MOT_GPDLV-V2) • XMC4500	active and preferred
› KIT_XMC4X_UNI_EXT01_001	Microcontroller	Pin Extension Board (UNI_EXT01-V2) • XMC4500	active and preferred
› KIT_XMC45_AE1_002	Microcontroller	CPU Board XMC4500 General Purpose - Automation I/O Card (AUT_ISO-V1) - Standard Human Machine Interface Card (HMI_OLED-V1) - Ethernet/CAN/RS485 Interface Card (COM_ETH-V1) - J-Link Lite CortexM Debugger - Pin Extension Board (UNI_EXT01-V2) - Power Supply (24V / 1A) - Headset - USB cable • XMC4500	active and preferred
› KIT_XMC45_BE1_002	Microcontroller	CPU Board XMC4500 General Purpose - Pin Extension Board (UNI_EXT01-V2) - USB cable - Getting Started Flyer • XMC4500	
› KIT_XMCI45_LARIX_PINU_1		Quadrocopter demonstrator kit with 9-axis motion tracking, pressure sensor and authentication representation. Control via Bluetooth or radio transmitter.	coming soon
› KIT_MINIWIGGLER_3_USB	Evaluation Board		active and preferred

XMC4500-E144F1024 AC

32bit Microcontroller: Standard Core ARM Cortex-M4 - EN

The new 32Bit microcontroller family XMC4000 of Infineon is based on the standard core ARM Cortex-M4. With the very fast embedded flash memory it provides best in class real time performance. The microcontroller helps to improve energy efficiency, provides advanced communication protocols and it helps to reduce time to production. More: http://www.infineon.com/xmc
Length 1:54

ELEKTRONIKPRAXIS Shorty XMC4000

Length 3:25

XMC4000 One microcontroller platform. Countless solutions.

Length 3:45

DAVE™ - Digital Application Virtual Engineer

The 3rd generation of DAVE, DAVE™ 3 is now available for DOWNLOAD
Length 2:52

XMC4500-E144F1024 AC

Package Data

Title	Size	Date	Version
PG-LFBGA-144-10 | XMC4500E144F1024ACXQSA1 › EN	1.7 MB	11 Apr 2016	01_00

PCB Design Data

Title	Size	Date	Version
Boundary Scan Description Files for XMC4500 › EN	33 KB	22 Jun 2015	01_00
XMC4000 Library for Altium Designer	54 KB	10 Apr 2013	01_01
PCB Sources "CPU Board XMC4500 SDRAM" (Eagle)	577 KB	20 Feb 2013	01_00
PCB Sources "CPU Board XMC4500 General Purpose" (Eagle)	408 KB	05 Apr 2012	01_00

PCB Sources "Automation I/O Card" (Eagle)	383 KB	05 Apr 2012	01_00
PCB Sources „Ethernet/CAN/RS485 Interface Card" (Eagle)	360 KB	05 Apr 2012	01_00
PCB Sources - Standard Human Machine Interface Card (Eagle) › EN	336 KB	31 Mar 2016	01_00
PCB Sources "General Purpose Motor Drive Card" (Eagle) › EN	1.6 MB	31 Aug 2015	02_00
IBIS Simulation Models for XMC4500 Devices	3.8 MB	26 Aug 2013	
PCB Footprints & Symbols - 32-bit_XMC4000_Industrial_Microcontrollers_ARM-M4 - Altium - v1.0	10.2 MB	28 Oct 2013	01_00
PCB Footprints & Symbols - 32-bit_XMC4000_Industrial_Microcontrollers_ARM-M4 - Cadence - v1.0	858 KB	28 Oct 2013	01_00
PCB Footprints & Symbols - 32-bit_XMC4000_Industrial_Microcontrollers_ARM-M4 - Eagle - v1.0	233 KB	28 Oct 2013	01_00
PCB Footprints & Symbols - 32-bit_XMC4000_Industrial_Microcontrollers_ARM-M4 - Mentor - v1.0	1.3 MB	28 Oct 2013	01_00

XMC4500-E144F1024 AC

Request FIT-Data
Reliability Data
Click here! 〉

XMC4500-E144F1024 AC

Self Service

Please state your question   **Proposals**

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FAQ

1. Technical Support
2. Green Products
3. Chip Card and Security Distis
4. Supplier Service, Supplier Page, page regsitration
5. 绿色产品
6. Radar chips (differentiate between a. 24GHz and 60GHz Industrial radar, b. 24GHz Automotive radar, c. 77GHz Automotive radar)
7. Product Counterfeit Step 1

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*

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Last Name*

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Company website (URL)

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Industry*

[[please select]   ▼]

Other Industry

[   ]

Country*

[[please select]   ▼]

Preferred Distributor / Reseller*

[[please select]   ▼]

Other Distributor / Reseller

[   ]

Product Name*

[   ]

Estimated annual production volume (pieces) per year*

[[please select]   ▼]

Please post your technical question as detailed as possible*

[   ]

I agree that my personal data mentioned above (including my e-mail address and phone number) can be gathered, processed and used for sales promotion and market research by Infineon Technologies AG and its licensed distribution partners.

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Where to buy

Please use our location finder to get in contact with your nearest Infineon distributor or sales office
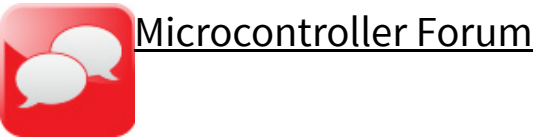› **Find a location**

Ask Infineon

Live Chat Online

XMC4500-E144F1024 AC

Software

Title	Size	Date	Version
AP32289 - XMC1000/XMC4000 - Position Interface(POSIF) - Example Code › EN	4.8 MB	14 Sep 2015	01_01
AP32287 - XMC1000/XMC4000 - Capture Compare Unit 4(CCU4) - Example Code › EN	749 KB	28 Apr 2016	01_02
AP32306 - XMC1000/XMC4000 - Event Request Unit(ERU) - Example Code › EN	664 KB	29 Jul 2015	01_00
AP32303 - XMC1000/XMC4000 - Universal Serial Interface Channel(USIC) - Example Code › EN	1 MB	29 Jul 2015	01_00
AP32288 - XMC1000/XMC4000 - Capture Compare Unit 8(CCU8) - Example Code › EN	985 KB	28 Apr 2016	01_02

Microcontroller Forum

- › Microcontroller Service, Support and Training