

➤ Starterkit

for X-board® <GP8>



X-board
Reduced to the max



- Complete Starterkit for immediate evaluation purposes
- Includes all required hardware components for a quick start
- The most cost-efficient multimedia ready board in it's class
- Microsoft® Windows® CE preinstalled including Full license
- Linux® board support package included on CD-ROM

Product Overview

The X-board® <GP8> module has what it takes. Reduced to the maX - Based on the Intel® Xscale® 80219 general purpose processor it is the most compact embedded solution possible. The X-board® <GP8> Starterkit is designed to give you a head start. In the Starterkit you will find; a X-board® <GP8> module with a fully licensed WinCE version as well as a demo application preinstalled on the onboard flash, X-board® <GP8> evaluation baseboard, switchable (115V-/230V) power supply, and a CD-ROM. On the accompanying CD-ROM you will find all the necessary Starterkit documentation; WinCE BSP, an image of the preinstalled WinCE as well as the source code for the preinstalled demo application, and finally a Linux BSP with kernel sources and drivers. The provided Linux image is based on BusyBox system utilities (including the source code). With this complete package you'll find all

the necessary components to immediately start the evaluation process. This will lead to quicker application development, which will shorten your overall time to market. At the heart of the X-board® <GP8> Starterkit is the X-board® <GP8>, which is designed for low power consumption from the beginning. The X-board® <GP8> module does not require a cooling device. Despite the compact size of a business card it offers all the modern interfaces applications of tomorrow need, such as a high graphic performance, Ethernet, USB 2.0 and AC97 output to be used for audio implementation. With up to 64 MByte of SDRAM and up to 32 MByte Flash storage media on board, the X-board® <GP8> is ready for all applications with support for WinCE and Linux operating systems. Please refer to the X-board® <GP8> data-sheet for more details.

Technical Information

X-board® module	
	X-board® <GP8> with Intel® XScale™ 80219 processor @ 400 MHz
DRAM	
	64 MByte on board
Flash	
	32 MByte on board (with preinstalled Windows CE)
Video memory	
	8 MB soldered SDRAM
Sound	
	AC97 controller, line-input / output and microphone
CRT and LCD resolution	
	Up to SXGA 1280x1024

Other Features	
	8GPIO's Video Capture Port (Zoom Video Port) RTC, Watchdog, JTAG interface for easy debugging, 8051 µController
Ethernet	
	10/100Base-T Davicom controller
Carrier board	
	X-board® <GP8> Evaluation baseboard
Power Supply	
	ATX switchable 115V-/230V (Power cord not included)
CD-ROM	
	Includes Windows CE and Linux BSPs bundles as well as all the necessary documentation

Ordering Information

Article	Part.-No.	Description
X-board® <GP8> SK	28010-0000-00-5	Complete Starterkit including X-board® <GP8> (64MB SDRAM, 32MB Flash) and all hard-/ software, without display
X-board® <GP8>	28023-6432-40-0	Intel® XScale™ 80219 with 400MHz, 64MB SDRAM, 32MB Flash, 8MB Video Memory
X-board® <GP8>	28023-2832-60-0	Intel® XScale™ 80219 with 600MHz, 128MB SDRAM, 32MB Flash, 8MB Video Memory
X-board® -Eval Board	28010-0000-10-2	Universal X-board® -Evaluation Baseboard for X86 and RISC (PXA, GP8)

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