

150,000 yen for development board, OS, drivers, and also ICE.

TeaPARTNER now on sale.

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Right now!

TeaPARTNER—The best starter kit for embedded system development.

TeaPARTNER is cost-effective development kit, including "Teaboard2/ARM920-MX1", which is the board computer for embedded systems with Freescale MC9328MX1 (ARM 920T Core), and "PARTNER-Jet Model 10/ARM", which is the latest JTAG-ICE developed by Kyoto Micro Computer Co., Ltd.

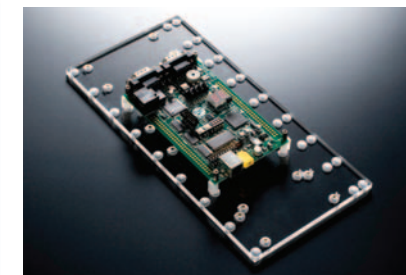
TeaPARTNER comes with "PMC T-Kernel", Real-time OS, "PMC T-Kernel Extension", basic middleware for development including file system, drivers and development environment. Only one PC and TeaPARTNER are enough to start development.

"PARTNER-Jet Model 10/ARM" is the first ICE to support Memory Management Unit. It can debug process-based program running on multiple logical space. Normally, it costs 312,900 yen with Japanese consumption tax. We make it work on "Teaboard2/ARM920-MX1" only (*) and provide it 157,500 yen with Japanese consumption tax including. "PARTNER-Jet Model 10/ARM" is also upgradeable to standard PARTNER-Jet supporting other ARM CPUs and boards.

(*) PARTNER-Jet in TeaPARTNER supports only Teaboard2/ARM920-MX1 developing board with PMC T-Kernel as its OS.

Teaboard—for development and exercise of real-time programming.

The T-Engine appliance "Teaboard2/ARM920-MX1" is a board computer on which T-Kernel runs. CPU is Freescale MC9328MX1 (ARM920T core, Max 200MHz). 2MB flash memory and 16MB RAM are available. SD card slot makes it possible to build large-scale application or to store massive data. LAN and TCP/IP also available. These make it easy to connect Teaboard as connecting unit to network. Various I/O ports and bus are connected to through hole, to which header pins are attached. It makes enable to design Interface boards and extension boards freely. LED, switches and buzzer are placed on Teaboard. These are suitable for introduction and exercise of real-time programming. It comes with "PMC T-Kernel" as its real-time OS, "PMC T-Kernel extension" with file management system, device drivers and various sample programs. It is available as developing platform of middleware and application of T-Engine. To be sure, development environment is also included. Only one PC is required to develop, debug, and also power supply via USB. JTAG connector is also available, making it enable to connect ICE for effective development. Teaboard2 is as same size as the standard T-Engine board. It is recommended to use T-Engine Development Bench option to fix Teaboard.



Teaboard2/ARM920-MX1

○ Supplied Software

PMC T-Monitor
PMC T-Kernel
PMC T-Kernel Extension
Device drivers such as SD card, RS-232, LAN
Sample applications
GNU Development Environment

○ Hardware specifications of Teaboard

CPU Freescale MC9328MX1 (J.MX1, ARM920Tcore, MAX 200MHz)
Flash memory 2MB, RAM 16MB
10/100BASE-T
RS-232 (serial) x2, SD Card slot
USB Function (Full Speed) x1
Push switch 2bit x2, Toggle switch 4bit x1, Dip switch 4bit x1
LED 8bit 7 segment LED 2 digits
D/A, A/D converter, GPIO (DIO), PWM
Extension bus I/F (through-hole)
JTAG ICE I/F
Piezoelectric buzzer, Temperature sensor
USB bus power or AC adapter

Features of PARTNER-Jet ARM (TeaPARTNER version)

- Supports T-Kernel perfectly. All programs, from T-Kernel to one running on MMU, can be source-debugged.
- It supports the same functions as ICE: hardware-break etc.
- High download speed, 2Mbytes per second.
- Supports USB 1.1/2.0
- VLINK compatibility: supports transfer speed more than 1 Mbytes per second.
- Small, lightweight, and easy to connect.
- Low price.
- Comes with the debugger software "PARTNER" which has an established reputation. (Windows 2000/XP compatible).

○ Hardware specifications

- JTAG clock: maximum 66 MHz (auto)
- Software break point: 64 x 256 points.
- Hardware break point: dependent CPU (use CPU built in hardware break)
- Host interface: USB 2.0/1.1
- Power consumption: 500mA/8.5V
- Size: 109(W) x 148(D) x 51(H) mm

The most suitable board for development and evaluation of T-Engine software.
T-Engine Appliance Teaboard2/ARM920-MX1

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Process based software running on MMU is also debugged.
JTAG-ICE PARTNER-Jet

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TeaPARTNER
157,500yen
(including Japanese consumption tax).

Personal Media Corporation provides embedded system solution totally.

Personal Media Corporation is a solution company, which supports embedded system development totally from hardware to application software. Please consult us at any time regarding embedded systems, such as developing device drivers, CPU selection, hardware development, porting of real-time OS, middleware for multimedia, various protocol stacks, web browser, GUI application and fonts. We, Personal Media Corporation can provide satisfactory solutions to everyone, turning our know-how of real-time OS accumulated for more than 20 years and rich system development achievements to advantage.