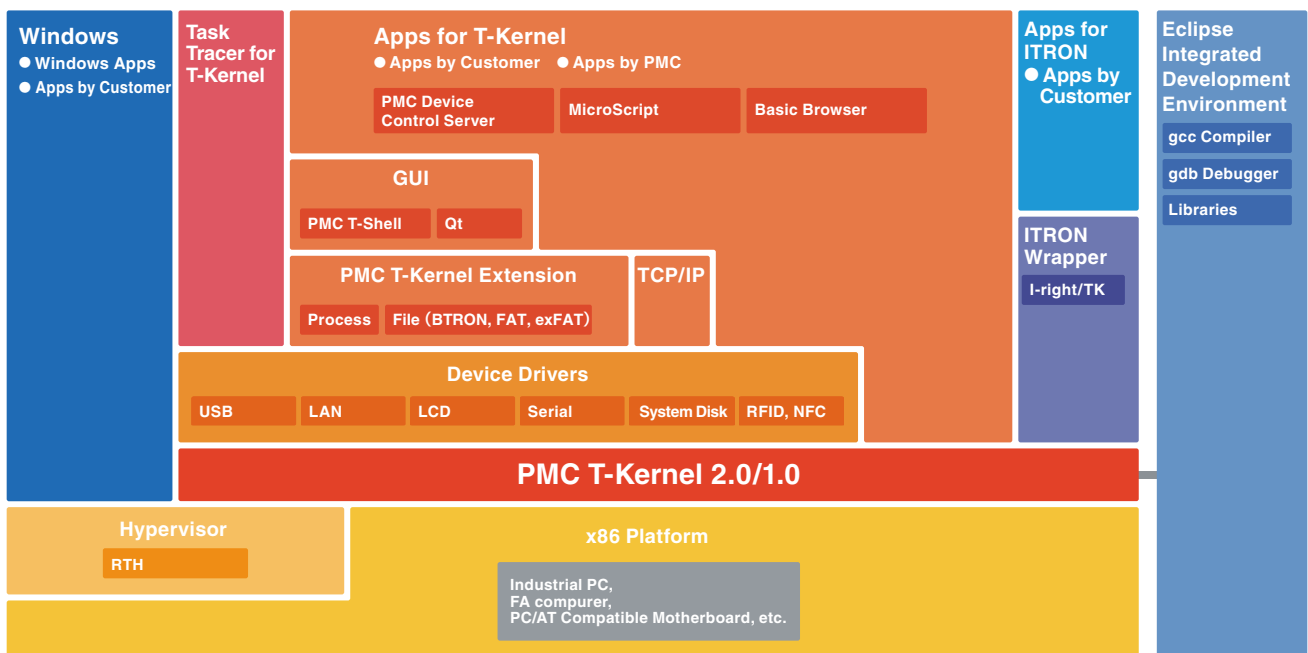




Real-Time OS for Industrial PCs PMC T-Kernel 2/x86

- Provides Hard Real-Time Processing and Stable Real-Time Performance, Difficult for Windows and Linux.
- Windows and T-Kernel can Run in Parallel on a Single PC.
- ITRON based FA Equipment can be Replaced with Industrial PC.
- Enhancement and Customization of OS are Available according to your purpose.



System Diagram with PMC T-Kernel 2/x86

Want to Know More Info ▶▶▶

Free Tutorial is Available!

Tutorial "Getting Started with T-Kernel 2/x86" You can download a free tutorial on getting started with "T-Kernel 2/x86 Evaluation Kit".
<http://www.t-engine4u.com/en/appliance.html#tkx86>

Want to Use Officially ▶▶▶

Evaluation Kit is Available!

①For Industrial PC or PC/AT Compatible Board Users

T-Kernel 2/x86 Evaluation Kit

Standard Price **90,000**yen(Tax not included)

②For Hypervisor for Embedded Systems Users

T-Kernel 2/RTH Evaluation Kit

Standard Price **90,000**yen(Tax not included)

Want to Adopt for End Product ▶▶▶

SDK with License is Available!

T-Kernel 2/x86 SDK with License

Minimum Configuration (Task version) from **1,200,000**yen(Tax not included)
Basic Configuration (Process + Task version) from **2,500,000**yen(Tax not included)

■ Comparison with Other OS for Industrial PC

※This comparison generalizes about OSes. The comparison result may change, depending on each individual product.

	Windows	Linux	Commercial RTOS	ITRON	T-Kernel
Real-Time Performance	×	×	○	○	○
Efficient Development, Middleware	○	○	△(*)	△(*)	○
Open, Multivendor	×	○	×	○	○

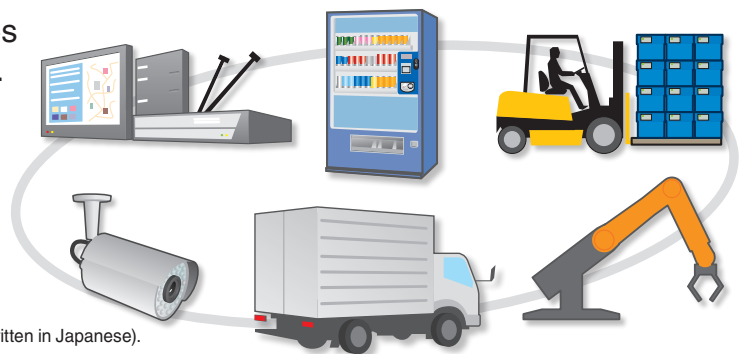
(*)It depends on each product.

■ Adoption Examples

"PMC T-Kernel 2/x86" based industrial PCs and motherboards are used in many fields.

To name but a few adpotion examples

Company A	Remote Monitoring Equipment
Company B	In-Car Information System
Company C	Machine Tool Control
Company D	Measuring Equipment



©For the latest information, visit http://www.t-engine4u.com/sangyo_pc.html (written in Japanese).

■ System Requirements and Supported Hardware

●When you use PC/AT compatible board or Industrial PC

CPU	x86 or x86 compatible CPU (Intel Atom, Core, Pentium, Celeron, AMD Athlon, Geode, VIA Eden, etc)
Memory	32MB or more
BIOS	standard BIOS for PC/AT compatible
Serial Port (RS-232C)	16650 compatible Also used for a debug console
System Disk	CF card(TruelIDE), HDD, USB storage Also used for a boot disk
USB	USB 1.1/2.0 host adapter (UHCI,OHCI,ECHI) *There are exceptions by the model.
USB device	HID class : keyboard, mouse Mass Storage Class device: HDD, CD-ROM, USB memory, etc.
LAN	[1000BASE-T LAN adapter] Intel PRO/1000, i82574L Gigabit Ethernet Controller, Realtek RTL8169, etc. [10/100BASE-T LAN adapter] Intel PRO/100, 82562, 3Com 3C900/590, DEC 21140, Realtek RTL8139/8169/8101/8103, VIA VT6102,SiS900, AMD Am79C970/971/972/973/975/976/977/978, NE2000 compatibles, etc.
Display	VESA BIOS

●When you use Hypervisor for embedded systems

LinX Corporation
Real-Time Hypervisor (RTH)

Personal Media Corporation

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