

Key specifications of the MB86298 graphics controller

Process Technology	90nm CMOS
Operating Voltage	Internal: $1.2 \pm 0.1V$, I/O: $3.3 \pm 0.3V$ DDR2 memory: $1.8 \pm 0.1V$
Operating Frequency (max.)	266MHz, DDR2 800MHz
Peripheral I/O	PCI-Express, I ² C(Master), GPIO, JTAG
Operating Temperature Range	-40°C~85°C
Power Consumption	4.0W (TYP)
Package	TEBGA 543 pin
Application	Navigation, Cluster (car dashboard), Car center console etc.

[Development Environment]

Fujitsu Microelectronics plans to support the following development environment:

- **MB86298 Evaluation Board**

In the form of a PCI Express card. Can connect to PCI Express bus of a PC with Microsoft[®] Windows[®] XP Professional operating system.

- **OpenGL[®] ES2.0 Library**

With the use of the OpenGL ES, the standard graphics API optimized for embedded applications, embedded systems with real 3-D graphics can be realized.

- **Graphics Controller Access Library**

A set of drivers will be provided to access simply the rendering peripherals such as display controller and video capture on the MB86298.

- **OpenVG[™] 1.0 Library**

With the use of this library, the functions of the MB86298 can be used to a maximum to render high-quality vector graphics.

PCI Express[®] is a registered trademark of PCI-SIG.