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Mobile Intel® 945GM Express Chipset for Embedded Computing

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The Mobile Intel® 945GM Express chipset provides excellent flexibility for developers of embedded applications by offering improved graphics and increased I/O bandwidth over previous Intel® chipsets, as well as remote asset management capabilities and improved storage speed and reliability.

Product Information

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Product Highlights

The Mobile Intel® 945GM Express chipset is optimized by the following processors to address the requirements of a wide range of embedded applications such as interactive clients and industrial automation equipment:

- Intel Core 2 Duo processor T7400" at 2.16 GHz with 34 watts thermal design power (TDP)
- Intel Core Duo processor T2500" at 2.0 GHz (31 watts TDP)
- Intel Core Duo processor L2400" at 1.66 GHz (15 watts TDP)
- Intel Celeron M processor 440" at 1.86 GHz (27 watts TDP)
- Intel Celeron M processor Ultra Low Voltage 423" at 1.06 GHz (5.5 watts TDP)

Dual independent display support, at graphics core speeds up to 250 MHz, provides a wealth of options for using high-resolution displays.

Supported by the [Intel® Embedded Graphics Drivers](#) and videos BIOS, developed specifically for embedded products and applications.

Mobile Intel® 945GM Express Chipset for Embedded Computing

Product	Product Code	Package	Features
Intel® 82945GM Graphics Memory Controller Hub (GMCH)	QG82945GM	1466 µFC-BGA	533/667 MHz front-side bus; Up to 4 GB of 667 MHz DDR2 SODIMM system memory; Intel® GMA 950; PCI Express* external graphics support
Intel® I/O Controller Hub 7-M (ICH7-M)	FW82801GBM	652 µ-BGA	Direct connection to GMCH via Direct Media Interface; Four PCI Express root ports; Two-port Serial ATA controller; Up to eight USB 2.0 ports; Intel® High Definition Audio interface
Intel® I/O Controller Hub 7-M (ICH7-M)	FW82801GHM	652 µ-BGA	Direct connection to GMCH via Direct Media Interface; Six PCI Express root ports; Two-port Serial ATA controller; Up to eight USB 2.0 ports; Intel® High Definition Audio interface; RAID 0/1