

Mainboard

MS-9821

# IM-GME965-D

Vivid 3D Performance of DirectX 10



 <b>Intel GME965 + ICH8M</b>	 <b>TPM 1.2</b>	 <b>SODIMM DDR2 667</b>	 <b>VGA/LVDS</b>
 <b>Gigabit LAN</b>	 <b>7.1 Channel AUDIO</b>		

## Features

1. Support Intel® 45nm Mobile Core™ 2 Duo processor
2. Support DirectX 10® and Intel® Clear Video technology
3. Support MPEG-2, WMV9 video decoding accelerator
4. Integrated crypto chip with Infineon TPM 1.2 for security
5. Support HDMI ADD2 card

## Specification

CPU Type	Intel® 45nm Mobile processor with socket P (Merom)
Processor	Intel® Core™ 2 Duo, Celeron® M processor
Chipset	Intel® GME965 + ICH8M
Memory	2 * DDR2 SO-DIMM 667, up to 4GB
Graphic Engine	Intel® GMA X3100 up to 384MB
Display Port	VGA, LVDS (dual channel 24-bit)
USB	8 * USB 2.0 Port (4 * Rear I/O, 4 * Internal)
I/O	Rear I/O: 1 * RS-232, PS/2 Internal: 1 * RS-232/RS-422/RS485(pin 9: 5V/12V), 2 * RS-232(pin 9: 5V/12V), 1 * LPT
LAN	1 * Intel® GbE LAN
Expansion Slot	1 * PCI, 1 * PCIe X16, 1 * Mini-PCIe(PCIe x1+USB)
Audio	7.1 Channel HD Audio with 6W Amplifier, S/PDIF out
Storage	1 * IDE, 2 * SATA II, 1 * CF(option)
Application	Digital Signage, Kiosk, Panel PC, Gaming, Multimedia

## Power Specification

Power Source	DC 12~24V Input (2x2 pin connector)
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## Mechanical and Environmental

Form Factor	Mini-ITX, 170mm * 170mm (6.7"x 6.7")
Operating Temperature	0°C to 60°C
Storage Temperature	-20°C to 80°C
Regulatory Compliance	FCC / CE RoHS Compliant

## Ordering Information

Part Number	Description
609-9821-010	GME965+ICH8-M, 2 * DDR2 SO-DIMM, Intel GbE LAN, 2 * SATA, VGA, LVDS, TV-Out, 12~24V DC Power
609-95L2-010	IDE to CF Adaptor
609-9904-010	HDMI ADD2+ Card
604-4131-010	Full Height DVI-D ADD2+ Card
604-4131-020	Low Profile DVI-D ADD2+ Card