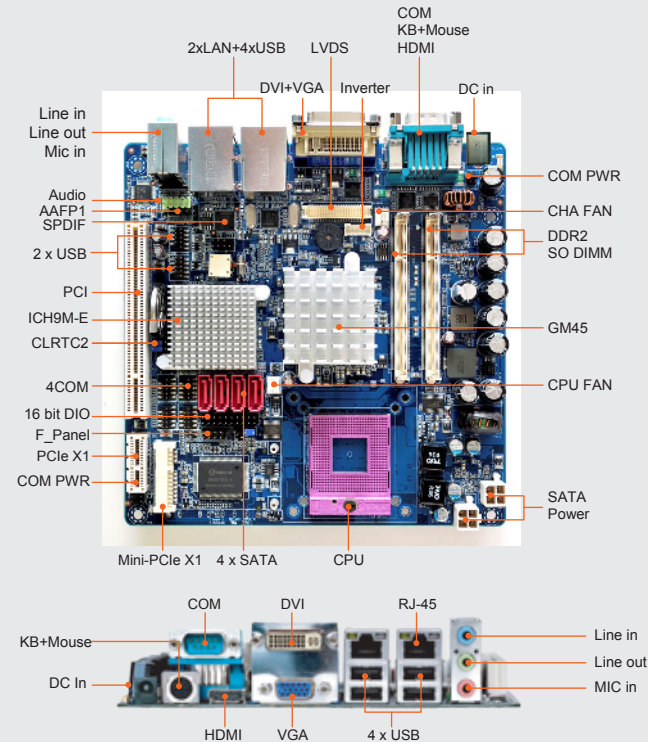


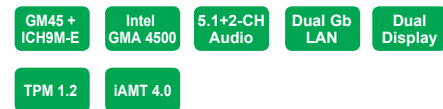
IX45GM

Intel® GM45 Socket P Core® 2 Duo Mobile CPU Mini-ITX Main Board

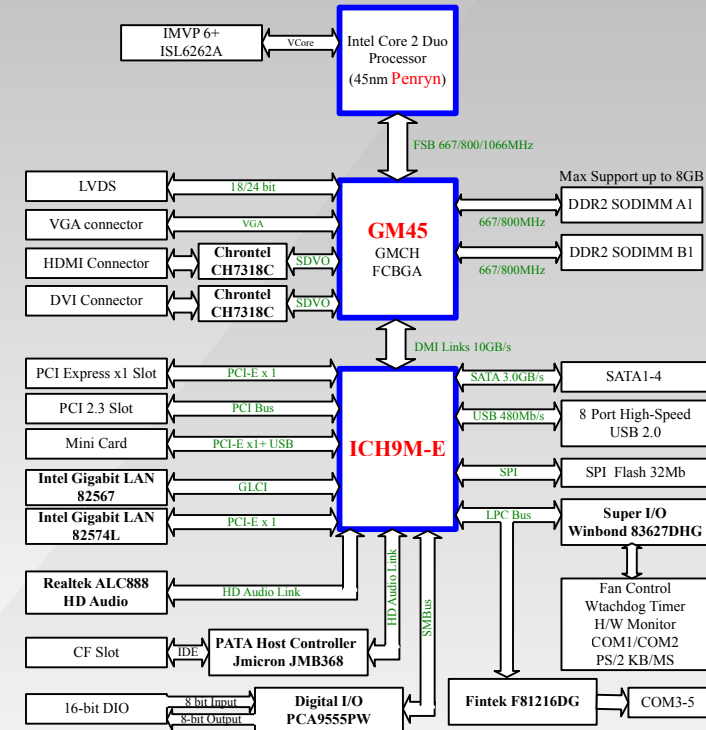


Features

- Supports Intel Socket P Core 2 Duo Mobile CPU with 45nm Process Technology
- Intel GM45 + ICH9M-E
- Two 200-pin SODIMMs Sockets up to 4GB Dual Channel DDR2 800 MHz SDRAM
- Intel 65nm Mobile GMCH Integrated Graphics 4500MHD
- Dual Display: VGA/DVI/HDMI/LVDS
- Realtek ALC888 5.1+2 CH Audio 6W x 2-CH Amplified
- Intel 82567LM GbE LAN, Intel 82574L PCI-E Gigabit LAN for 2nd LAN (Optional)
- 1 Mini-PCIe, 1 PCIe x1, 1CF socket, 1 PCI 2.3
- 5 COM, 8 USB 2.0, 4 SATA II
- TPM 1.2, iAMT 4.0



Block Diagram



Ordering Information

IX45GM

Intel GM45 Mini-ITX Motherboard with VGA, DVI, HDMI, Audio, Dual Gb LAN, 4 COM, 4 SATA, 8 USB, 1 Mini PCI-E, 1 PCI-EX1, 1 PCI2.3, 8-bit DIO

Packing List of IX45GM

80I-GM4501-0A00000	
IX45GM Mini-ITX Motherboard	x1
14GS0000073V04	
COM 1+2 Cable 300mm 1.0mm pitch	x1
14GS00000069V04	
40-pin IDE Cable	x1
14G000127073	
SATA Cable 500mm	x1
TBD	
SATA 2in1 Power Cable	x1

Specifications

System	
CPU	Supports Intel Socket P Core 2 Duo Mobile CPU with 45nm Process Technology
FSB	667/800/1066 MHz
BIOS	AMI 32Mb BIOS
System Chipset	Intel GM45 + ICH9M-E
I/O Chip	Winbond W83627DHG-A+Fintek 81216G
System Memory	Two 200-pin SO-DIMMS Sockets Support Up to 4 GB Dual Channel DDR2 800 MHz SDRAM
SSD	One Compact Flash Type I/II Socket
Watchdog Timer	Reset: 1 sec.~255 Sec/Min. and 1 Sec. or 1 Min./Step
H/W Status Monitor	Monitoring CPU Temperature, Voltage, and Cooling Fan Status. Auto Throttling Control When CPU Overheats
Expansion	1 Mini PCI-E, 1 PCI-E x 1, 1 PCI 2.3
S1/S2/S3	Yes
SmartFan Control	Yes
I/O	
MIO	4 SATA, 8 USB, 4 RS232, 1 PS/2 Keyboard+Mouse
USB	8 USB 2.0
DIO	8-bit General Purpose I/O for DI and DO
Display	
Chipset	Intel 65nm Mobile GMCH Integrated Graphics
Display Memory	Intel DVM T 5.0 Supports Up to >512MB Video Memory
Resolution	2048 x 1536 @ 75 MHz
Dual Display	VGA+HDMI, LVDS+HDMI, VGA+DVI, LVDS+DVI
HDMI	On Board
LVDS	Dual-channel 24-bit LVDS
DVI	Chrontel CH7318C HDMI Level Shifter
Audio	
Audio Code	Realtek ALC888 5.1+2 CH Audio 6W x 2-CH Amplified
Audio Interface	Mic in, Line in, Line out
Ethernet	
LAN 1	Intel 82567LM Gigabit LAN
LAN 2	Intel 82574L PCI-E Gigabit LAN for 2nd LAN (Optional)
Back Panel I/O Port	
1 x PS/2 Keyboard+Mouse (Through Y-Cable)	
1 x RS-232 with 5V/12V power	
1 x VGA port / 1 x DVI Port / 1 x HDMI port	
4 x USB 2.0/1.1 / 1x LAN RJ45 Port	
5.1 + 2 CH Audio I/O (3 jacks) / 1x DC in	
Internal I/O Connector	
*2 x USB Connectors Support Additional 4 USB Ports	
*4 x COM Port Header(No box), 1 With 5V/12V Power	
*4 x SATA Connectors	
*1 x Audio Amplifier Connector	
*1 x Front Audio	
*1 x Front Panel	
*1 x SPDIF_out	
*1 x LVDS Connector	
*1 x Inverter Power Connector	
*1 x CPU Fan Connector	
*1 x System Fan Connector	
*1 x Digital IO Header	
Mechanical & Environmental	
Power Requirement	0.591A@19V (with Core 2 Duo T7100 1.8GHz & 1GB DDR2 SDRAM)
Power Type	19V-24V DC in
Operating Temperature	0~60°C (32~140°F)
Operating Humidity	0%~90% Relative Humidity, Non-Condensing
Size (L x W)	6.69" x 6.69" (170 mm x 170 mm)
Weight	0.88lbs (0.4Kg)