

P5 Verification Test Plan

Release No : 08I010021

Product Model	BP-206VH-E4 A1.0
Description	5 Slot PICMG1.3 BP,1*PICMG1.3/3*PCI-E x1/1*PCIE-E x16, Single Segment/Vertical ATX Rev.A0.1
Test Configuration	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB : FSB-960H A1.0+BP-206VH-E4 A1.0 <input checked="" type="checkbox"/> BIOS : FSB-960H BIOS Rev.1.1 for EG(06/03/2008) <input checked="" type="checkbox"/> Chipset : <input checked="" type="checkbox"/> North Bridge : Intel Q35 <input checked="" type="checkbox"/> South Bridge : Intel ICH9(ICH9DO) <input checked="" type="checkbox"/> VGA Chipset : Intel Q35 Express Chipset Family <input checked="" type="checkbox"/> Ethernet Chipset : Intel 82566X/ 82562V/ 82573V/E <input checked="" type="checkbox"/> I/O Chipset : Winbond W83627HF <input checked="" type="checkbox"/> Remark : BP-206VH-E4 A1.0 QE NPDP P5 Internal Report
<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass with Deviation Comment: _____ _____	

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Issue date

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There are 3 test results in this document; they are described as follows:

- Pass: It worked perfectly
- Fail: Test failed, and to be modified in the next version
- N/A: Outside of specifications or no test equipment

The test report would be tested and updated after version changed.

Platform Information:

PCB Model / Version	FSB-960H A1.0
BIOS	FSB-960H BIOS Rev.1.1 for EG(06/03/2008)
Operating System	Windows XP Professional English Version V2002 Service Pack 3
CPU	Intel(R) Core 2 E8400 3.00GHz
Memory	Transcend DDR2 800 512MB*2
Primary SATA Master	Seagate SATA H.D/ST380815AS/80G
Primary IDE Master	BENQ IDE DVD-ROM/1650V/16x
CRT	ViewSonic CRT E70 17"
LCD	N/A
Compact Flash	N/A
Backplane	BP-206VH-E4 A0.1
Riser Card	N/A
Chipset Software	Intel Chipset Device Software Ver:8.3.0.1013(03/05/2007)
Graphics Media	Intel Q35 Express Chipset Family 6.14.10.4833(5/25/2007)
LAN Driver	Intel 82562V-2 10/100 Network Connection Ver:9.8.20.0(04/13/2007) Intel PRO/1000 PL Network Connection Ver:9.8.20.0(04/13/2007)
Audio Driver	N/A
Power Supply	Seventeam ST-402HLP 400W & ST400EAG-05F 400W

1. Backplane Compatibility Verification Test

1.1. Backplane Jumper / Connector / LED Function Test:

Test Item	Result			Note
	Pass	Fail	N/A	
Jumper				
JP1			X	
JP2			X	
JP3			X	
Connector				
CN1 (8 pin Alarm Board Connector)	X			
CN2 (SMBus function, from CPU Card to Alarm Board signal, 2 pin connector)	X			
CN3 (3 pin +12V DC Fan connector)	X			
CN4 (3 pin +12V DC Fan connector)	X			
CN5 (Reset)	X			
CN6(Power)	X			
KB1 (KB-In/Out, 5 pin external K/B Connector)	X			
KB2 (KB-In/Out, 5 pin external K/B Connector)	X			
PS1			X	
USB1	X			
USB2	X			
SATA1	X			
SATA2	X			
Power Connector				
ATX1	X			
ATX2	X			
PWR1			X	
PWR2			X	
LED (PCB Printout)				
LED1 (-5V)			X	
LED2 (-12V)			X	
LED3 (+5V)			X	
LED4 (+12V)			X	

1.2. Backplane PCI Express Slot Function Test

1.2.1 Adapter Card List:

Backplane (PICMG Slot)		
Category	Type	Note
CPU Card	FSB-960H A1.0	
Adapter Card (PCI-E x16)		
Category	Type	Note
VGA Card	WinFast ~NVIDIA PX6200TC TDH	< VC-200501 >
	ASUS~EAX1600PRO/TD/256M/A (ATI Chipset)	<VC200602>
Adapter Card (PCI-E x 1)		
Category	Type	Note
RAID Card	SUNIX~SATA1414 VER 1.1(SiliconImage)	<ESATA-200602>
LAN Card	SysKonnnect ~SK-9E21D	<NW200503>
Wi-Fi Card	ABIT~PCI-E Wi-Fi Card	<DS-200801>

1.2. 2 PCI Express Card Function Test:

Adapter Card / CPU Card	Position	Detection			Function			Note
		Pass	Fail	N/A	Pass	Fail	N/A	
WinFast ~NVIDIA PX6200TC TDH	PCIE1	X			X			
ASUS~EAX1600PRO/T D/256M/A (ATI Chipset)	PCIE1	X			X			
SUNIX~SATA1414 VER 1.1(SiliconImage)	PCIE_1	X			X			
	PCIE_2	X			X			
	PCIE_3	X			X			
SysKonnnect ~SK-9E21D	PCIE_1	X			X			
	PCIE_2	X			X			
	PCIE_3	X			X			
ABIT~PCI-E Wi-Fi Card	PCIE_1	X			X			
	PCIE_2	X			X			
	PCIE_3	X			X			

1.2.3 PICMG Slot Function Test

CPU Card	Position	Install Windows XP Professional V2002 Service Pack 2			Install Drivers			Function			Note
		Pass	Fail	N/A	Pass	Fail	N/A	Pass	Fail	N/A	
FSB-960H A1.0	PICMG1	X			X			X			

1.2.4 System Full Loading Test

Test Step:

1. Insert each kind of cards in every slot on backplane
2. Run Prime 95 in Windows for 8 hours in order to make system full loading

Run Prime 95 in Windows for 8 hours									
Position	Adapter Card	Detection		Installation		Function		N/A	Note
		Pass	Fail	Pass	Fail	Pass	Fail		
PCIMG1	FSB-960H A1.0	X		X		X			
PCIE1	< VC-200501 >	X		X		X			
PCIE1	<VC200602>	X		X		X			
PCIE_1	<ESATA-200602>	X		X		X			
PCIE_2	<NW200503>	X		X		X			
PCIE_3	<DS-200801>	X		X		X			