

QE 【Backplane】

P2 Verification Test Plan

Release No : 08I010020

Product Model	BP-214SH-P3E2I6
Description	14 Slot PICMG1.3BP
Test Configuration	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB : FSB-960H A1.0 + BP-214SH-P3E2I6 A1.0 <input checked="" type="checkbox"/> BIOS : FSB-960H BIOS Rev.1.0 for EG (12/28/2007) <input checked="" type="checkbox"/> Chipset : <input checked="" type="checkbox"/> North Bridge : Intel Q35+ICH 9 <input checked="" type="checkbox"/> South Bridge : Intel NH82801 IU <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 : Intel ICH 9 <input checked="" type="checkbox"/> Remark : BP-214SH-P3E2I6A1.0 QE NPDP P5 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 1.0 for EG
Operating System	Windows XP Professional English Version V2002 Service Pack 2
CPU	Intel Core 2 CPU 4300 1.80GHz
Memory	Transcend DDR II 800 1GB(SEC640ZCE7 K4T51083QC)
Primary IDE Master	WD 800BEVS-22RST0 80GB
Primary IDE Slave	N/A
CRT	ViewSonic E70 17"
LCD	N/A
Compact Flash	N/A
Backplane	BP-214SH-P3E2I6 A1.0
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 Ver:6.14.10.4833(05/25/2007)
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-400EAG-05F 400W ATX Power

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	X			
CN2	X			
CN3	X			
CN4 (8 pin Alarm Board Connector)	X			
CN5	X			
CN6	X			
CN7			X	
CN8			X	
CN9(3 pin +12V DC FAN connector)	X			
CN10(3 pin +12V DC FAN connector)	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/ISA/PCI Express/PCI-X Slot Function Test

1.2.1. Adapter Card List:

Backplane (PICMG Slot)		
Category	Type	Note
CPU Card	FSB-960H A1.0	
Adapter Card (PCI)		
Category	Type	Note
VGA Card	CECUBE GC-R9250PCI-D3 (ATI REDEON9250 256MB)	[VC-200601]
	CHANTECH NVIDIA GeForce4 MX440-8X	[VC-200200]
	麗台 PX6200 TDH PCI-Express X16	[VC-200501]
	ASUS EAX1600PRO/TD/256M/A (ATI Chipset) PCI-Express X16	[VC-200602]
Sound Card	SC3000 CMI8738/C3DX	[SC-001]
	CREATIVE Sound BLASTER Live5.1	[SC-200200]
SCSI Card	Takram DC-395U V1.02	[SS-200200]
	ADAPTEC Ultra160 SCSI ASC-29160	[SS-200201]
Capture Card	威聯通訊 IVC-200 V1.2 (with Age STD-477FAI CCD)	[CP-200701]
LAN Card	Intel GD82559 10/100 Mbps Fast Ethernet Adapter	[NW-013]
	3COM 3C905C-TXM 10/100Mbps	[NW-016]
	D-Link DFE-530TX	[NW-034]
	D-Link DWL-520+ Wireless LAN	[NW-2002001]
RAID Card	ADAPTEC 1420SA RoHS 4-Port SATA II RAID	[SS-200602]
Other	D-Link DU-520 USB 2.0	[DU-001]
	Tekram TR-822 Serial ATA 150 [SA-001] + SATA HDD Seagate ST3120026AS 120GB	[SA-001] + [ID-200305]
ISA Card	adaptec AHA-1540/42CP SCSI Card	[SS-200701]
	AHA 1520B	[SS-002]

1.2.2. PCI Card Function Test:

Adapter Card / CPU Card	Position	Detection			Function			Note
		Pass	Fail	N/A	Pass	Fail	N/A	
[VC-200601]	PCI1	X			X			
	PCI2	X			X			
	PCI3	X			X			
[VC-200200]	PCI1	X			X			
	PCI2	X			X			
	PCI3	X			X			
[VC-200501]	PCIE2	X			X			
[VC-200602]	PCIE2	X			X			
[SC-001]	PCI1	X			X			
	PCI2	X			X			
	PCI3	X			X			
[SC-200200]	PCI1	X			X			
	PCI2	X			X			
	PCI3	X			X			
[SS-200200]	PCI1	X			X			
	PCI2	X			X			
	PCI3	X			X			
[SS-200201]	PCI1	X			X			
	PCI2	X			X			
	PCI3	X			X			
[CP-200701]	PCI1	X			X			
	PCI2	X			X			
	PCI3	X			X			
[NW-013]	PCI1	X			X			
	PCI2	X			X			
	PCI3	X			X			
[NW-016]	PCI1	X			X			
	PCI2	X			X			
	PCI3	X			X			

[NW-034]	PCI1	X			X			
	PCI2	X			X			
	PCI3	X			X			
[NW-2002001]	PCI1	X			X			
	PCI2	X			X			
	PCI3	X			X			
[SS-200602]	PCI1	X			X			
	PCI2	X			X			
	PCI3	X			X			
[DU-001]	PCI1	X			X			
	PCI2	X			X			
	PCI3	X			X			
[SA-001] + [ID-200305]	PCI1	X			X			
	PCI2	X			X			
	PCI3	X			X			
[SS-200701]	ISA1	X			X			
	ISA2	X			X			
	ISA3	X			X			
	ISA4	X			X			
	ISA5	X			X			
	ISA6	X			X			
[SS-002]	ISA1	X			X			
	ISA2	X			X			
	ISA3	X			X			
	ISA4	X			X			
	ISA5	X			X			
	ISA6	X			X			

1.3. 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			

1.4. 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				
PCI1	[CP-200701]	X		X		X				
PCI2	[NW-2002001]	X		X		X				
PCI3	[SC-001]	X		X		X				