

Product Certification Report

Report No : 06E010023_E

Product Model	PER-C20S
Description	Serial-ATA Add-On Card Mini PCI Module (2 Ports)
Test Configuration	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB : PER-C20S Rev.A1.0 <input checked="" type="checkbox"/> BIOS: Sil 3512A SATARaud Bios Ver:4.3.76 <input checked="" type="checkbox"/> Chipset : Silicon Image Sil3512ECTU128 QF7227.1-1 <input checked="" type="checkbox"/> M/B Information <input checked="" type="checkbox"/> PCB (1) : PCM-8500 Rev.A1.0 <input checked="" type="checkbox"/> BIOS(1) : PCM-8500 BIOS Rev.1.2 (05/25/2004) <input checked="" type="checkbox"/> PCB (2) : PCM-8200 Rev:A1.0 <input checked="" type="checkbox"/> BIOS(2) : PCM-8200 BIOS Rev:1.3 (06/04/2006) <input checked="" type="checkbox"/> PCB (3) : PCM-8150 Rev.A2.0 <input checked="" type="checkbox"/> BIOS(3) : PCM-8150 BIOS Rev 1.4 (06/06/2006) <input checked="" type="checkbox"/> PCB (4) : PCM-6892 Rev:B1.0 <input checked="" type="checkbox"/> BIOS(4) : PCM-6892b BIOS Rev:1.3 (11/11/2005) <input checked="" type="checkbox"/> PCB (5) : MPC-6800 Rev: A0.3 <input checked="" type="checkbox"/> BIOS(5) : MPC-6800 BIOS Rev: 1.01(11/22/2004) <input checked="" type="checkbox"/> PCB (6) : MPC-8890 Rev:A0.2 <input checked="" type="checkbox"/> BIOS(6) : MPC-8890 BIOS Rev.1.2 (07/01/2005) <input checked="" type="checkbox"/> PCB (7) : EMB-852T Rev:A1.1 <input checked="" type="checkbox"/> BIOS(7) : EMB-852T BIOS Rev 1.2 (02/08/2006) <input checked="" type="checkbox"/> PCB (8) : GENE-8310 Rev: A1.0 <input checked="" type="checkbox"/> BIOS(8) : GENE-8310 BIOS Rev:1.5 (01/12/2006) <input checked="" type="checkbox"/> Remark : QE PER-C20S NPDP P5 External Report
Test Result Summary	
<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass with Deviation Comment: _____ _____	

2006/08/30

Issue date

Wenyuan Yang

Manager

Eva Yeh

Test Engineer

1. Dynamic / Boot_UP Burn-In Test

Test Method	Test Condition	Result		
		Pass	Fail	N/A
Diagnostics Software Burn-In Test.	0°C~60°C, 30%RH~80%RH, 48 hrs	X		

2. Mini PCI Function Test

Platform (1) Information	
PCB Model & Version	PCM-8500 Rev.A1.0
BIOS Version	PCM-8500 BIOS Rev.1.2 (05/25/2004)
Operation System	Windows XP Professional English Version V2002 with Service Pack 2
CPU Type & FSB	Intel Pentium 4-M 2.2GHz
Memory Type	Kingston / KVR400X64C3A /
Primary IDE Master	HiTACHI / HDS722580VLAT20 / 80GB
Primary IDE Slave	ASUS DVD-E616A2 / 16X
Power Supply	ATX Type: AOpen FSP300-60ATV

Function Test	Result			Note
	Pass	Fail	N/A	
RAID BIOS Check	X			
Install Driver	X			
Create RAID	RAID 0	X		
	RAID 1	X		
Delete RAID	X			
RAID function Test	Strip	X		
	Mirror	X		

Platform (2) Information	
PCB Model & Version	PCM-8200 Rev:A1.0
BIOS Version	PCM-8200 BIOS Rev:1.3 (06/04/2006)
Operation System	Windows XP Professional English Version V2002 with Service Pack 2
CPU Type & FSB	Genuine Intel ® Processor CPU 1.30GHz(100x13.0)
Memory Type	Hynix HY50U56822BT-J / DDR333 /256MB
Primary IDE Master	Seagate ST340016A / 40GB
Primary IDE Slave	LITE-ON CD-ROM LTN-527T / 52X
Power Supply	ATX Type: Seventteam ST-350BKV 5S0C

Function Test	Result			Note
	Pass	Fail	N/A	
RAID BIOS Check	X			
Install Driver	X			
Create RAID HDD	RAID 0	X		
	RAID 1	X		
Install RAID 0 HDD	X			
Delete RAID	X			
RAID function Test	Strip	X		
	Mirror	X		

Platform (3) Information	
PCB Model & Version	PCM-8150 Rev.A2.0
BIOS Version	PCM-8150 BIOS Rev 1.4 (06/06/2006)
Operation System	Windows XP Professional English Version V2002 with Service Pack 2
CPU Type & FSB	Intel (R) Pentium (R) M processor 1.73GHz
Memory Type	SAMSUNG K4H280838B-TCB0 / DDR266 /256MB
Primary IDE Master	Seagate ST340016A / 40GB
Primary IDE Slave	LITE-ON CD-ROM LTN-527T / 52X
Power Supply	ATX Type: Seventeam ST-350BKV 5S0C

Function Test	Result			Note
	Pass	Fail	N/A	
RAID BIOS Check	X			
Install Driver	X			
Create RAID	RAID 0	X		
	RAID 1	X		
Delete RAID	X			
RAID function Test	Strip	X		
	Mirror	X		

Platform (4) Information	
PCB Model & Version	PCM-6892 Rev:B1.0
BIOS Version	PCM-6892b BIOS Rev:1.3 (11/11/2005)
Operation System	Windows XP Professional English Version V2002 with Service Pack 2
CPU Type & FSB	Intel Celeron(R) 400MHz(100x4.0)
Memory Type	Hynix HY57V56820BT-T / PC133 / 256MB
Primary IDE Master	HiTACHI / HDS722580VLAT20 / 80GB
Primary IDE Slave	ASUS DVD-E616A2 / 16X
Power Supply	ATX Type: AOpen FSP300-60ATV

Function Test	Result			Note
	Pass	Fail	N/A	
RAID BIOS Check	X			
Install Driver	X			
Create RAID	RAID 0	X		
	RAID 1	X		
Delete RAID	X			
RAID function Test	Strip	X		
	Mirror	X		

Platform (5) Information	
PCB Model & Version	MPC-6800 Rev.A0.3
BIOS Version	MPC-6800 BIOS Rev: 1.01(11/22/2004)
Operation System	Windows XP Professional English Version V2002 with Service Pack 2
CPU Type & FSB	Intel ULV Celeron® 650 MHz (100*6.5)
Memory Type	SAMSUNG/ K4H280838B-TCB0 / DDR266 /256MB
Primary IDE Master	Seagate ST340016A / 40GB
Primary IDE Slave	LITE-ON CD-ROM LTN-527T / 52X
Power Supply	ATX Type: Seventteam ST-350BKV 5S0C

Function Test	Result			Note
	Pass	Fail	N/A	
RAID BIOS Check	X			
Install Driver	X			
Create RAID	RAID 0	X		
	RAID 1	X		
Delete RAID	X			
RAID function Test	Strip	X		
	Mirror	X		

Platform (6) Information	
PCB Model & Version	MPC-8890 Rev.A0.2
BIOS Version	MPC-8890 BIOS Rev.1.2 (07/01/2005)
Operation System	Windows XP Professional English Version V2002 with Service Pack 2
CPU Type & FSB	Intel (R) Pentium (R) M processor 1.73GHz
Memory Type	SAMSUNG K4H280838B-TCB0 / DDR266 /256MB
Primary IDE Master	Seagate ST340016A / 40GB
Primary IDE Slave	LITE-ON CD-ROM LTN-527T / 52X
Power Supply	ATX Type: Seventteam ST-350BKV 5S0C

Function Test	Result			Note
	Pass	Fail	N/A	
RAID BIOS Check	X			
Install Driver	X			
Create RAID	RAID 0	X		
	RAID 1	X		
Delete RAID	X			
RAID function Test	Strip	X		
	Mirror	X		

Platform (7) Information	
PCB Model & Version	EMB-852T Rev:A1.01
BIOS Version	EMB-852T BIOS Rev 1.2 (02/08/2006)
Operation System	Windows XP Professional English Version V2002 with Service Pack 2
CPU Type & FSB	Intel (R) Pentium (R) M processor 1.6GHz
Memory Type	Kingston KV266X64C25 /512MB
Primary IDE Master	HiTACHI / HDS722580VLAT20 / 80GB
Primary IDE Slave	ASUS DVD-E616A2 / 16X
Power Supply	ATX Type: AOpen FSP300-60ATV

Function Test	Result			Note
	Pass	Fail	N/A	
RAID BIOS Check	X			
Install Driver	X			
Create RAID	RAID 0	X		
	RAID 1	X		
Delete RAID	X			
RAID function Test	Strip	X		
	Mirror	X		

Platform (8) Information	
PCB Model & Version	GENE-8310 Rev: A1.0
BIOS Version	GENE-8310 BIOS Rev:1.5 (01/12/2006)
Operation System	Windows XP Professional English Version V2002 with Service Pack 2
CPU Type & FSB	Intel(R) Celeron (R) M processor 1.3GHz(100*13.0)
Memory Type	ELPIDA DD5116ADTA-8B-E / DDR333 / 512MB
Primary IDE Master	Seagate ST340016A / 40GB
Primary IDE Slave	LITE-ON CD-ROM LTN-527T / 52X
Power Supply	AT Type: LEMACS SP2-4300F

Function Test	Result			Note
	Pass	Fail	N/A	
RAID BIOS Check	X			
Install Driver	X			
Create RAID	RAID 0	X		
	RAID 1	X		
Delete RAID	X			
RAID function Test	Strip	X		
	Mirror	X		