

# Product Certification Report

Release No: 05I010013

<b>Product Model</b>	<b>PER-C101</b>
<b>Product Description</b>	<b>BROADCOM BCM5721KFB+BCM5789KFB Dual PCI Express 10/100/1000 Ethernet Daughterboard</b>
<b>Test Environment</b>	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB : PER-C101 Rev:A1.0 <input checked="" type="checkbox"/> BIOS : N/A  <input checked="" type="checkbox"/> CPU Board Support Request : <input checked="" type="checkbox"/> PCB : FSB-866G A0.2 <input checked="" type="checkbox"/> BIOS : FSB-866G BIOS Rev:0.11 (8036PXE) (06/20/2005)  <input checked="" type="checkbox"/> Backplane Support Request : <input checked="" type="checkbox"/> PCB : BP-214SG-P4 A1.1 <input checked="" type="checkbox"/> BIOS : N/A  <input type="checkbox"/> Revision change <input type="checkbox"/> PCB : <input type="checkbox"/> BIOS : <input type="checkbox"/> Component :  <input checked="" type="checkbox"/> Remark : PER-C101 BROADCOM BCM5721+89 NPDP P5 Test Report

2005-10-12

Issue date

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Manager

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Test Engineer

## Test Result for Certification

Platform Information		
PCB Model & Version	PER-C101 A1.0	
CPU Board Support Request	FSB-866G A0.2	
BIOS Version	FSB-866G BIOS Rev:0.11 (8036PXE) (06/20/2005)	
CPU Type & FSB	Intel @Pentium® 4 CPU 2.80GHz(200x14.0)	
Backplane	BP-214SG-P4 A1.1	
Memory Type	Transcend 512Mb DDR400 TS64MLD64V4F3	
Primary IDE Master	Western Digital 6.4G	
Primary IDE Slave	Benq 52x CD-ROM	
Operation System Compatible Test		Result
Windows 2000 professional English version / 5.00.2195 with service pack 4		Pass
Windows XP Professional English version / 2002 with service pack 2		Pass
Linux 9.0 Kernel Version 2.4.20-8		Pass

### A. Network HUB / LAN Connects Test

Platform Information	
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Memory Type	Transcend 512Mb DDR400 TS64MLD64V4F3
Primary IDE Master	Western Digital 6.4G
Primary IDE Slave	Benq 52x CD-ROM

#### LAN 1 : LED Indicator Lights Function Test No Support

Test Item	Active Light	Link Light	Speed Light	Note
Pass	V	V	V	
Fail				
No Support				

#### LAN 2 : LED Indicator Lights Function Test No Support

Test Item	Active Light	Link Light	Speed Light	Note
Pass	V	V	V	
Fail				
No Support				

### Network HUB / LAN Connects Test:

#### Test Point:

1. O.S. : Windows 2000P O.S. [ B Workstation ]
2. Use “ Ping “ Programming Testing.
3. Allow failure rate under 2/1000.
4. Use Category 5 network cables with RJ-45 connector.

#### Port Test of LAN 1 by 10/100Mbps : [ ] No Support

Network Hubs	QE WIN2K Server [ A Workstations ]	Length Size	Function Test				Note
			Speed	Packet In Byte	Send	Received	
HP J4095A 24Ports	A → B B → A	100 M	100M	8192	1000	1000	
LEMEL LM-S5 5 Port	A → B B → A	25 M	10 M	8192	1000	998	
Accton DeskTop-3005	A → B B → A	100 M	100M	8192	1000	998	
D-Link DES-1008	A → B B → A	100 M	100M	8192	1000	1000	Gigabit Switch

#### Port Test of LAN 1 by 1000Mbps Gigabit : [ ] No Support

Network Hubs	QE WIN2K Server [ A Workstations ]	Length Size	Function Test				Note
			Speed	Packet In Byte	Send	Received	
D-Link DGS-1008T	A → B B → A	100 M	1 G	8192	1000	998	Gigabit Switch
D-Link DGS-1008T	A → B B → A	25 M	1 G	8192	1000	999	Gigabit Switch

#### Port Test of LAN 2 by 10/100Mbps : [ ] No Support.

Network Hubs	QE WIN2K Server [ A Workstations ]	Length Size	Function Test				Note
			Speed	Packet In Byte	Send	Received	
HP J4095A 24 Ports	A → B B → A	100 M	100M	8192	1000	998	
LEMEL LM-S5 5 Port	A → B B → A	25 M	10 M	8192	1000	1000	
Accton DeskTop-3005	A → B B → A	100 M	100M	8192	1000	998	
D-Link DES-1008	A → B B → A	100 M	100M	8192	1000	1000	Gigabit Switch

**Port Test of LAN 2 by 1000Mbps Gigabit : [ ] No Support**

Network Hubs	QE WIN2K Server [ A Workstations ]	Length Size	Function Test				Note
			Speed	Packet In Byte	Send	Received	
D-Link DGS-1008T	A → B B → A	100 M	1 G	8192	1000	1000	Gigabit Switch
D-Link DGS-1008T	B → A A → B	25 M	1 G	8192	1000	1000	Gigabit Switch

**Boot ROM Test**

Test Item	Result			Note
	Pass	Fail	N/A	
Boot ROM to Novell 4.11 [RPL]	V			HUB : HP J4095A
Boot ROM to WinNT 4.0 [PXE]	V			HUB : HP J4095A
Wake On LAN	V			Before test, all drivers must be installed completely first.