

Report NO: 10E010021

# EMB-LN9T

## P5 Test Report

Summary	<input checked="" type="checkbox"/> <b>Pass</b> <input type="checkbox"/> <b>Fail</b> <input type="checkbox"/> <b>Pass with Deviation</b> Comment: _____			
	Test Result Summary			
	Critical	Major	Minor	Enhancement
Defect Found	0	0	0	0
Defect Unsolved	0	0	0	0

Issue date	Approval	Test Engineer
2010/9/23	Jansin Lee	Nisam Jone

## Platform Information:

<b>Product Model</b>	EMB-LN9T
<b>Description</b>	Mini-ITX
<b>Test Configuration</b>	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> CPU Board : EMB-LN9T Rev A0.2 <input checked="" type="checkbox"/> Carrier Board : N/A <input checked="" type="checkbox"/> BIOS : AMI 4.6.3.7 ELN9T 1.10 x64 09/09/2010  <input checked="" type="checkbox"/> Chipset : <input checked="" type="checkbox"/> Chipset : Intel® ICH8M <input checked="" type="checkbox"/> I/O Chipset : Winbond W83627UHG <input checked="" type="checkbox"/> VGA Chipset : Intel GMA 3150 <input checked="" type="checkbox"/> Audio Chipset : VIA 1708B <input checked="" type="checkbox"/> Ethernet Chipset : Realtek 8111C for 10/100/1000Base-TX, RJ-45 x 2  <input checked="" type="checkbox"/> Remark : QE P5 Report for EMB-LN9T

Item	Device Information	Test Item
PCB Model / Version	EMB-LN9T Rev A0.2	1,2,3,4,5,6,7,8
BIOS / Version	AMI 4.6.3.7 ELN9T 1.10 x64 09/09/2010	1,2,3,4,5,6,7,8
CPU Type	Intel® Atom(TM) D510 1.66GHz	1,2,3,4,5,6,7,8
Memory Type	Transcend DDR2 667 SODIMM 1GB (ELPIDA E5108AJBG-6E-E)	1,2,3,4,5,6,7,8
SATA HDD	Seagate SATA2 2.5" 7200 RPM 120GB(ST9120823AS)	1,2,3,4,5,6,7,8
SATA DVD-ROM	LG GH22 Super Multi DVD Rewriter	1,2,3,4,5,6,7,8
LCD	ViewSonic VA703b 17" LCD Monitor	1,2,3,4,5,6,7,8
Compact Flash	N/A	N/A
Riser Card	N/A	N/A
Backplane	N/A	N/A
OS Install	Windows XP Professional English Version V2002 Service Pack 3	1,2,3,4,5,6,7,8
Power Supply	ATX Power Supply : Seventeam ST-350BKV 350W	1,2,3,4,5,6,7,8

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

**Pass:** Function worked perfectly

**Fail:** Function failed and must 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.

## Test Result for Certification

### 1. I/O Peripheral Function Test

I/O Function	Result			Note
	Pass	Fail	N/A	
Floppy Connector / Driver A:			X	
Removable Devices			X	
Hard Drive			X	
CD-ROM Drive			X	
Primary IDE Master			X	
Primary IDE Slave			X	
RAID 1 Function Test			X	
SATA1 / Serial ATA Connector 1	X			
SATA2 / Serial ATA Connector 2	X			
SATA3 / Serial ATA Connector 3			X	
SATA4 / Serial ATA Connector 4			X	
Compact Flash – Type I	X			
Compact Flash – Type II			X	
DOC (Disk On Chip)			X	
DOM (Disk On Module) – 40 Pin			X	
DOM (Disk On Module) – 44 Pin			X	
COM 1-232	X			
COM 2-232	X			
COM 3-232	X			
COM 4-232	X			
COM 5-232	X			
COM 6-232	X			
COM 7-232	X			
COM 8-232	X			
COM 9-232	X			
COM 10-232	X			
COM 2-422	X			
COM 2-485	X			
PS/2 Mouse & Keyboard (Internal)			X	
PS/2 Mouse & Keyboard (External)	X			
Audio Connector	X			
LPT 1	X			
SIR / 115.2 Kbps			X	
FIR / 4M bps			X	
USB 1/2 Ports	X			
USB 3/4 Ports	X			
USB 5/6 Ports	X			
USB 7/8 Ports	X			
USB 2.0 1/2 Ports	X			
USB 2.0 3/4 Ports	X			
USB 2.0 5/6 Ports	X			
USB 2.0 7/8 Ports	X			

DVI Function			X	
DIO Connector			X	
Card Bus			X	
Touch Screen – 8 Wire			X	
Touch Screen – 4/5 Wire			X	
DIMM Slots	X			MemTest Version [v4.0]
Watchdog IRQ n			X	
Watchdog Software Control			X	
FAN1 Connector	X			
FAN2 Connector			X	
Express card			X	
Speaker Connector			X	
LCD Backlight Power Connector			X	
DC in Connector			X	
PCI Express Mini Card			X	
Power Button	X			
Front Panel (CN34)	Result			Notes
	Pass	Fail	N/A	
Power On Button	X			
IDE LED			X	
External Buzzer			X	
On Board Buzzer	X			
Power LED	X			
Reset Switch			X	
Keyboard Lock			X	
Power Connector & Function	Result			Notes
	Pass	Fail	N/A	
Standard AT Power Connector			X	
Standard ATX Power Connector	X			
DC Adapter			X	
LAN Connector & Function	Result			Notes
	Pass	Fail	N/A	
LAN Link / Speed LED	LAN1	X		
	LAN2	X		
LAN Active LED	LAN1	X		
	LAN2	X		
LAN 10/100 Ethernet	X			
LAN 1G Ethernet	X			
PCI Connector & Function	Result			Notes
	Pass	Fail	N/A	
Mini PCI Slot	X			
PCI Slot	X			
PCI Express x1			X	

## 2. Power Consumption Test (Run Prime95 Program)

### Platform Information

CPU Board	EMB-LN9T A0.1
Carrier Board	N/A
BIOS	ELN9T 0.11 X64 0505/2010
Operating System	English Windows XP Professional Service Pack 3
CRT	ViewSonic E70 17"
LCD	N/A
Compact Flash	N/A
Expansion Board	N/A
	N/A
Power Supply	Seventeam ST-300BLP 300W

Test Environment Model	ATX Power: ST-300BLP 300W		AT Power:		Note
	Power (W)	Efficiency (A)	Power (W)	Efficiency (A)	
CPU	Intel Atom D510 1.66GHz				
HDD	Transcend 2.5" SATA-2 SSD (TS16GSSD25S-S)				
RAM	Kingston DDR2-667 KVR667D2S5/2G 2GB				
OS Environment	English Windows XP Professional Service Pack 3				
Normal Mode (+5V)	0.22	A	N/A	A	
Suspend Mode (+5V)	0	A	-----	A	S1
5VSB in Power Off Mode (just for ATX)	0	A	-----	A	
5VSB in Power On Mode (just for ATX)	0	A	-----	A	
5VSB in S1 Suspend Mode (just for ATX)	0	A	-----	A	Can't over 5VSB in Power On & Off current.
Normal Mode (+12V)	1.48	A	N/A	A	
Suspend Mode (+12V)	0.94	A	-----	A	S1
Normal Mode (+3.3V) (just for ATX)	0	A	N/A	A	

Suspend Mode (+3.3V) (just for ATX)	0	A	-----	A	S1
Normal Mode (-12V)	0	A	N/A	A	
Suspend Mode (-12V)	0	A	-----	A	
Normal Mode (-5V)	0	A	N/A	A	
Suspend Mode (-5V)	0	A	-----	A	

### 3. Timer Accuracy Test

System Clock & RTC Clock Test				
Test Method	Margin for error	Result		
		Pass	Fail	N/A
RTC Clock in Power On Mode	±3 second during 24 hours	X		
RTC Clock in Power Off Mode	±3 second during 24 hours	X		
Watchdog Timer Test		Result		
		Pass	Fail	N/A
Time-out Interval	10 sec	X		
	60 sec	X		
	255 sec	X		

### 4. Network HUB / LAN Connection Test

Location		LED Type				Result		
						Pass	Fail	N/A
LAN1 LED		Link / Speed LED				X		
		Active LED				X		
LAN2 LED		Link / Speed LED				X		
		Active LED				X		
Location	Speed	HUB Type	Cable Length	HUB Speed	Onboard LAN Speed	Result		
						Pass	Fail	N/A
Onboard LAN1	10/100/1000 Mbps	D-Link DGS-1008T	100M	1GBps	1000	X		
		Accton DeskTop-3005	100M	100 MBps	100	X		
		SVEC FD916H (10 Mbps HUB)	100M	10 MBps	10	X		
Onboard LAN2	10/100/1000 Mbps	D-Link DGS-1008T	100M	1GBps	1000	X		
		Accton DeskTop-3005	100M	100 MBps	100	X		
		SVEC FD916H (10 Mbps HUB)	100M	10 MBps	10	X		

## 5. Hardware Compatibility

CPU Compatible Test							
CPU Type		FSB	Prime95 Version	Result			
				Pass	Fail	N/A	
Intel ® Atom D510 1.66GHz		667 MHz	V.256	X			
Memory Compatibility Test							
Memory Brand	Memory Chipset	Frequency	Size	MemTest86 Version	Result		
					Pass	Fail	N/A
Kingston DDR2-667	ELPIDA E1108ACBG-6E-E	667	2GB	V4.0	X		
Transcend DDR2 667	SEC 752 HCE6 K4T1G084QQ	667	2GB	V4.0	X		
Audio Basic Function Test					Result		
					Pass	Fail	N/A
System Sound					X		
CD_In							X
CD_In Sound Recorder							X
Play Sound Recorder					X		
Line Out					X		
Line In							X
Line In Sound Record							X
MIC Speaker			Dynamic		X		
			Condenser		X		
MIC Sound Recorder			Dynamic		X		
			Condenser		X		
Audio 5.1 Channel with S/P DIF Function Test					Result		
					Pass	Fail	N/A
2-channel mode for stereo speaker output					X		
4-channel mode for 4 speaker output							X
6-channel mode for 5.1 speaker output							X
8-channel mode for 7.1 speaker output							X
S/P DIF function Test		Input			X		
		Output			X		
On Board TV Function Test					Result		
					Pass	Fail	N/A
NTSC		AV Terminal					X
PAL							X
NTSC		S Terminal					X
PAL							X
On Board LCD Function Test							



TFT LCD	Type	Voltage	Result		
			Pass	Fail	N/A
LVDS	AUO G065VN01 V.0 / 6.5" / 640x480 / 18bit (4:3)	3.3V	X		
	AUO G065VN01 V.0 / 6.5" / 640x480 / 24bit (4:3)	3.3V	X		
	Data Image 7" / 800*480 / 18bit (16:9)	3.3V	X		
	AU G084SN05 V.3 / 8.4" / 800*600 / 18bit (4:3)	3.3V	X		
	AU G150XG01 V.0 / 15" / 1024*768 / 18bit (4:3)	3.3V	X		
	AU M150XN07 V.2 / 15" / 1024x768 / 24bit (4:3)	3.3V			X
	Toshiba /12.1"/1280 x 768 x 18bit (16:9)	3.3V	X		
	AU M170EG01 / 17" / 1280*1024 / 48bit (4:3)	5V			X
	AU M170XW01 V.1 / 17" / 1280x768 / 24bit (16:9)	5V			X
	AUO T260XW02 / 26" / 1366x768 / 24bit	5V			X
	AU M201UN02 V.5 / 20.1" / 1600x1200x48bit	5V			X
	AUO T370HW01 / 37" / 1920x1080 / 48bit	5V			X
	AUO M190PW01 V0 / 19"/1440X900/48 bit	5V			X
TTL	Toshiba LTM10C209A / 10.4" / 640*480 / 18bit (4:3)	5V			X
	NEC NL8060AC31-12 / 12.1" / 800*600 / 18bit (4:3)	3.3/5V			X
	Sharp LQ121S1DG11 / 12.1" / 800*600 / 18bit (4:3)	3.3V			X
	LG LM151X2-C2TH / 15.1" / 1024x768 / 18bit (4:3)	3.3V			X
	Fujitsu FLC38XGC6V-06 / 15" / 1024*768 / 36bit (4:3)	5V			X

**PCI Slot Function (PCI Adapter Card) Test**

Model	Type	Result		
		Pass	Fail	N/A
CHAINTECH NVIDIA GeForce4 MX440-8X	VGA Card	X		
Creative Sound BLASTER Live5.1	Sound Card	X		
Takram DC-395U V1.02	SCSI Card			X
ADAPTEC Ultra160 SCSI ASC-29160	SCSI Card	X		
I-VIEW CP-1400AS (with Age STD-477FAI CCD)	Capture Card			X
Intel GD82559 10/100 Mbps Fast Ethernet Adapter	LAN Card	X		
3Com 3C905C-TXM ETHERLINK 10/100 PCI	LAN Card			X
D-Link DWL-520+ Wireless LAN	LAN Card			X
ADAPTEC 1420SA RoHS 4-Port SATA II RAID	RAID Card			X
LEMEL MD V1456VQH-P2 PCI MODEM Card	Modem Card			X
D-Link DU-520 USB 2.0	USB Hub Card			X
Tekram TR-822 Serial ATA 150 [SA-001] + SATA HDD Seagate ST3120026AS 120GB	SATA Card			X

**ISA Slot Function Test**

	Result		
	Pass	Fail	N/A
NE2000 Compatible LAN Card (RTL8019AS)			X
Adaptec AHA-1510/20/22B SCSI Card			X

**PCI-Express Function Test**

Model	Result		
	Pass	Fail	N/A
SUNIX SATA1414 VER 1.1 PCI-Express x1 SATA Card			X
SksKonnnect SK-9E21D 10/100/1000 Base-T Adapter PCI-Express x1 LAN Card			X
Adaptec AAR-1430SA SATAII HostRAID Controllers PCI-Express x4 RAID Card			X
ASUS EAX1600PRO/TD/256M/A (ATI Chipset) PCI-Express x16 VGA Card			X
WinFast PX6200 TC TDH PCI-Express x16 VGA Card			X
<b>HDD Compatibility Test</b>			
Model	Result		
	Pass	Fail	N/A
WD WD800AAJS 80GB / SATA	X		
Transcend 2.5" SATA-2 SSD (TS16GSSD25S-S)	X		
Seagate ST3160815AS 160GB	X		
Seagate ST380815AS 80GB	X		
<b>IDE Cable Function test</b>			
IDE Model	Result		
	Pass	Fail	N/A
40 Pin Cable ATA100			X
44 Pin Cable ATA33			X
80 Pin Cable ATA100			X
<b>USB Function Test</b>			
USB Basic Function Test	Result		
	Pass	Fail	N/A
USB Controller	X		
USB 2.0 Controller	X		
USB Keyboard Support	X		
USB Mouse Support	X		
USB 1.1 Compatible Test	Result		
	Pass	Fail	N/A
USB 1.1 Compatible Test	X		
USB 2.0 Compatible Test	Result		
	Pass	Fail	N/A
USB 2.0 Compatible Test	X		
USB 2.0 Function Test	Result		
	Pass	Fail	N/A
Install Windows XP Professional from HighSpeed Device: USB2.0 DRW-1604P-D/WHT/G/ASUS	X		
USB Device Full Loading Test	Result		
	Pass	Fail	N/A
LG USB 2.0 Super Multi DVD Rewriter	X		

Mitsumi FLL3.5 D353GUE/FUE		X			
USB HDD 20GB		X			
USB Card Reader		X			
USB Mouse		X			
USB Flash drive Transcend 8GB		X			
Floppy Disk Controller Function Test	<b>Result</b>				
	<b>Pass</b>	<b>Fail</b>	<b>N/A</b>		
Copy and compare file between C: and A / B:				X	
Change Floppy to None value				X	
Swap FDD				X	
<b>Peripheral Compatibility-Storage Device</b>					
<b>Model</b>	<b>Interface</b>	<b>Result</b>			
		<b>Pass</b>	<b>Fail</b>	<b>N/A</b>	
FUJITSU MCB3064SS	SCSI			X	
IOMega ZIP 100 parallel port	Parallel			X	
IOMega ZIP100MB Internal ATAPI Drive	IDE			X	
DOC				X	
Type-I CF	Fix / PIO Mode			X	
Type-I CF InnoDisk iCF 4000 16GB	Fix / UDMA Mode	X			
Digital I/O Connector Test	<b>Result</b>				
	<b>Pass</b>	<b>Fail</b>	<b>N/A</b>		
Input Address: BF				X	
Output Address: 33				X	
VCC: (5V) , Position : ( 801 )				X	
DIO-1 Function Test				X	
DIO-2 Function Test				X	
<b>Adapter Compatibility- Industry Control Card PC/104, PC/104+, PCI-104 Modules</b>					
<b>Interface</b>	<b>Model</b>	<b>Type</b>	<b>Result</b>		
			<b>Pass</b>	<b>Fail</b>	<b>N/A</b>
PC/104	AAEON PCM-5600	Modem Module			X
	AAEON PCM-3115B	PCMCIA Module			X
PC/104+	AAEON PCM-3430	SCSI Module			X
PCI-104	AAEON PCM-FA00	Mini-PCI Converter			X
	AAEON PCM-3794	SCSI Module			X
	AAEON PCM-3730	Intel 82559 LAN Module			X
PCI/104 Express	AAEON PER-123				X
<b>On-Board SCSI Function Test</b>					
<b>Model</b>	<b>Interface</b>	<b>Result</b>			
		<b>Pass</b>	<b>Fail</b>	<b>N/A</b>	
RICOH MP7060S	SCSI-CDROM 24X			X	

Fujitsu MCB3064SS	SCSI-MO Device			X
Seagate 32155W	SCSI-HDD 2.15GB			X
IBM DNES-309170	SCSI-HDD 9GB			X
Seagate ST39205LW/P	9GB / Ultra160 / LVD			X
<b>On-Board RAID Function Test</b>				
Model	Interface	Result		
		Pass	Fail	N/A
Set SATA HDDs as RAID 0	SATA			X
Set SATA HDDs as RAID 1	SATA			X
Set SATA HDDs as RAID 10	SATA			X
Set SATA HDDs as RAID 5	SATA			X
<b>COM Function Test</b>		Result		
		Pass	Fail	N/A
COM Port Burn In Test overnight		X		
<b>Disk On Module [DOM] Compatibility Test</b>				
Model	Interface	Result		
		Pass	Fail	N/A
Transcend / TS512MDOM40V / 512MB	IDE 40 Pin			X
Transcend / TS512MDOM44V / 512MB	IDE 44 Pin			X
<b>Mini PCI Card Compatibility Test</b>				
Model	Interface	Result		
		Pass	Fail	N/A
PCI 10/100 LAN Mini PCI Card (Model:PER-C10L)	LAN	X		
GM-101 WLAN 11b/g 54Mbps Mini PCI Card (Model: VNT6655AM)	WLAN	X		
<b>COM/LPT Ports &amp; RS-232/422/485 Function Test</b>		Result		
		Pass	Fail	N/A
RS-422 for COM2		X		
RS-485 for COM2		X		
COM1		X		
COM2		X		
COM3		X		
COM4		X		
COM5		X		
COM6		X		
LPT1		X		
LPT2				X

### Card Bus(PCMCIA) Compatibility Function Test

Model	Result		
	Pass	Fail	N/A
Intel PRO/Wireless 2011B LAN PC Card (WPC2011BWW)			X
PQI 16MB Compact Flash Adapter (64MB PQI CF Card inserting)			X
Kingston datapack DP-PCM2 / 2GB (PC Card Typell HDD)			X
PCI GW-NS54SG Cardbus Adapter Wireless LAN Type-II			X

## 6. O.S. Compatibility Test

Installation Operation System Compatibility Test		Result			
		Pass	Fail	N/A	
[ ] Linux-Red Hat 9.0 or [ X ] Fedora Core 8		X			
Windows 7 Ultimate English Version		X			
Windows Vista TM Ultimate English Version				X	
Windows Vista TM Ultimate x64 Edition English Version				X	
Windows XP Professional English Version V2002 Service Pack 3		X			
Windows XP Professional English Version /Standard x64 Edition				X	
Windows 2000 Professional English Version V5.00.2195 Service Pack4				X	
Windows 2000 Professional Simplified-Chinese Version V5.00.2195 Service Pack4				X	
Windows 2000 Professional Japanese Version V5.00.2195 Service Pack4				X	
Windows Server 2000 English Version				X	
Windows Server 2003 English Version / Standard Edition 5.2.3790				X	
Windows Server 2003 English Version /Standard x64 Edition				X	
Windows 98SE English Version V4.10.2222A				X	
DOS 6.22 English Version				X	
Utility and Driver Test					
OS	Drivers Version		Result		
			Pass	Fail	N/A
Linux-Fedora 8 / Kernel-2.6.26.5-28.fc8	Chipset Software	Default Driver	X		
	Graphics Media	Default Driver	X		
	LAN Driver	Default Driver	X		
	Audio Driver	Default Driver	X		
Windows 7 Ultimate English Version	Chipset Software	Intel Chipset Ver. 6.1.7600.16385 (Date : 6/21/2006)	X		
	Graphics Media	Intel Graphics Chipset 3150 Ver. 8.14.10.1929 (Date: 9/23/2009)	X		

	LAN Driver	Realtek PCIe GBE Ver. 7.18.322.2010 (Date : 3/22/2010)	X		
	Audio Driver	VIA Chipset Ver. 6.0.1.7300 (Date: 7/10/2009)	X		
Windows Vista TM Ultimate English Version	Chipset Software				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				X
Windows Vista TM Ultimate x64 Edition English Version	Chipset Software				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				X
Windows XP Professional English Version V2002 Service Pack 3	Chipset Software	Intel 5 Series/3400 Series chipset 9.1.1.1025 (12/14/2009)	X		
	Graphics Media	Intel Graphics Media Accelerator 3150 6.14.10.5244 (3/17/2010)	X		
	LAN Driver	Realtek RTL8168C(P)/811C(P) PCI-E Gigabit 5.698.701.2008 (7/1/2008)	X		
	Audio Driver	VIA High Definition Audio 6.0.1.1550 (10/22/2008)	X		
Windows XP Professional x64 Edition English Version Service Pack 2 V2002	Chipset Software				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				X
Windows 2000 Professional English Version V5.00.2195 Service Pack 4	Chipset Software				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				X
Windows 2000 Professional Simplified-Chinese Version V5.00.2195 Service Pack4	Chipset Software				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				X
Windows 2000 Professional Japanese Version V5.00.2195 Service Pack4	Chipset Software				X
	Graphics Media				X
	LAN Driver				X

	Audio Driver				X
Windows Server 2000 English Version	Chipset Software				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				X
Windows Server 2003 English Version Standard Edition 5.2.3790	Chipset Software				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				X
Windows Server 2003 English Version Standard x64 Edition	Chipset Software				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				X
Windows 98SE English Version V4.10.2222A	Chipset Software				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				X

## 7. BIOS Function Test

Test Item	Result		
	Pass	Fail	N/A
Memory Beep Test	X		
Standard CMOS Setup Test	X		
Boot Sequence Test	X		
<b>Power Management Test</b>			
APM Power Management Test			X
ACPI Power Management Test	X		
Power On Function Test	X		
Wake Up Event Test	X		
Power On after Power Failure Test			X
CMOS Backup / Clear CMOS Test	X		
Boot ROM Test (RPL/PXE)	X		
Supervisor / User Password Test			X
CRT / LCD Function Test	X		
TV Standard Function Test			X
Init Display First Function Test			X
On-Chip Serial ATA Function Test	X		
SATA Mode-IDE/RAID Function Test	X		
<b>PC Health Status</b>			
Voltage Monitor Test	X		

FAN Speed Monitor Test	X		
Temperature Monitor Test	X		
Swap Floppy Drive & Boot up Floppy Seek Function Test			X
USB Onboard Device Function Test	X		
COM Address / IRQ Test	X		
LPT Address / IRQ Test	X		
BIOS AWDFLASH Program Test			X



## 8. Performance Test

### Platform Information

CPU Board	EMB-LN9T A0.1
Carrier Board	N/A
BIOS	ELN9T 0.11 X64 0505/2010
Operating System	English Windows XP Professional Service Pack 3
CPU	Intel ® Atom D510 1.66GHz
Memory	Kingston DDR2-667 KVR667D2S5/2G 2GB (ELPIDA E1108ACBG-6E-E)
SATA HDD	Seagate ST3160815AS 160GB
Primary IDE Master	N/A
Primary IDE Slave	N/A
CRT	ViewSonic E70 17"
LCD	N/A
Compact Flash	N/A
Expansion Board	N/A
	Intel 5 Series/3400 Series chipset 9.1.1.1025 (12/14/2009)
Chipset Software	Intel Graphics Media Accelerator 3150 6.14.10.5244 (3/17/2010)
Graphics Media	Realtek RTL8168C(P)/811C(P) PCI-E Gigabit 5.698.701.2008 (7/1/2008)
LAN Driver	VIA High Definition Audio 6.0.1.1550 (10/22/2008)
Audio Driver	N/A
Touchscreen Driver	ATX Power: Seventeam ST-300BLP 300W
Power Supply or Adapter	DC-Adapter :N/A

### Test result:

Testing Software	Result	Unit
<b>PCMark2002</b>		
CPU	2791	
Memory	7335	
HDD	1321	
<b>Final Reality V1.01—BenchMark Test</b>		
2D image	204.40	
3D	3.96	
Bus transfer	33.47	
Overall	13.32	<b>Reality marks</b>
<b>3Dmark2001</b>		

3DMark2001SE Build 330_Benchmark mode	3083	
Testing Software	Result	Unit
<b>PCMark05</b>		
PCMark	N/A	<b>PCMarks</b>
CPU	2037	
Memory	2563	
Graphics	N/A	
HDD	4836	
<b>3Dmark2003 v360</b>		
3Dmark Score	974	

Remark: Please uses below two performance software to test main board if the chipset is new enough.  
(ex. Intel Core 2 Duo CPU)