

Workstation / IPC Product Certification Report

Release No : 03P010265

Product Model	ARC-604
Product Description	4U Rack-mounting Chassis
Test Reason	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB : SBC-860 Rev.A1.2 <input checked="" type="checkbox"/> BIOS: SBC-860 BIOS Rev.1.0 (01/16/2003) <input type="checkbox"/> Renew product <input type="checkbox"/> PCB : <input type="checkbox"/> BIOS: <input type="checkbox"/> Revision change <input type="checkbox"/> PCB : <input type="checkbox"/> BIOS: <input type="checkbox"/> Component: <input checked="" type="checkbox"/> General Function <input checked="" type="checkbox"/> Chipset: North Bridge: Intel®82845 GV South Bridge: Intel®82801DB(ICH4) <input checked="" type="checkbox"/> Audio Chipset: Intel®82801DB(ICH4), ALC201 CODEC <input checked="" type="checkbox"/> Ethernet Chipset: Intel®82562 <input checked="" type="checkbox"/> I/O Chipset: ITE 8712

2003-10-13

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Issue date

A.V.P

Test Engineer

Test result for certification

Stability Test - Dynamic / Boot_UP Burn_In Test	Result
Dynamic Burn-In test. (Qaplusfe 5.5 Operating at 0 ~60 for 48hours)	PASS
Dynamic Burn-In test. (Power On/Off Operating at 0 ~60 for 24hours)	PASS
Dynamic Burn-In test. (H/W Reset 20 Time Operating at Room Temp.) 110V	PASS
Dynamic Burn-In test. (HB Reset 20 Time Operating at Room Temp.) 110V	PASS
Dynamic Burn-In test. (H/W Reset 20 Time Operating at Room Temp.) 220V	PASS
Dynamic Burn-In test. (HB Reset 20 Time Operating at Room Temp.) 220V	PASS
Timer Accuracy Test	Result
System clock accuracy of +/-5 sec per day.	PASS
RTC timer accuracy of +/-3 sec per day.	PASS
Watchdog timer accuracy of +/-20 % per sec/ min.	PASS
Network HUB / LAN Connects Test	Result
LAN2 HP J4095A 24Ports [100 /10 Mbps]	PASS
LAN2 D-Link DES-1008T [1000 Mbps]	PASS
CPU Compatible Test	Result
Pentium 3.06G (533 FSB)	PASS
Pentium 2.53G (533 FSB)	PASS
Pentium 2.4G (533 FSB)	PASS
Memory Test – SDRAM PC-133/100	Result
PSC / A256B30ATP 3279LA0B / DDR-400 / 512MB	PASS
PSC / A256B30ATP 3279LA0B / DDR-400 / 256MB	PASS
Transcend / Samsung 229 K4H560838C-TCB3 / DDR 333 / 512MB	PASS
Transcend / V58C2256804SAT5 / DDR266 / 256MB	PASS
Kingmax / KDL684T4AA-60 / DDR 333 / 256MB	PASS
Kingston / SAMSUNG K4H560838C-TCB0 / DDR 266 / 256MB	PASS
On Board Audio Function Test	Result
System Sound	PASS
Play CD_IN	PASS
Play Sound Recorder	PASS
Line Out	PASS
Line In	PASS
Line In Sound Recorder	PASS
MIC Speaker – Dynamic / Condenser	PASS
MIC Speaker Recorder – Dynamic / Condenser	PASS
Riser Card Test	Result
AAEON /MBC-V100 (VGA Card)	PASS
PixelView Play TV (Capture Card)	PASS
Intel Pro/1000MT Desktop (GigaLan Card)	PASS

D-Link Wireless Network DWL-520+ (Wireless Lan Card)	PASS
Creative Sound Blaster Live5.1 (Sound Card)	PASS
Takram DC-395U V1.02 (SCSI Card)	PASS
Mpeg Card YUAN DVD (Mpeg Card)	PASS
Genuine GM56-AMI2019 (Modem Card)	PASS
Adapter ASC-29160/CN KIT (SCSI Card)	PASS
Lemel ESS ES1868F 3d/16 PnP (Sound Card)	PASS
Adapter AHA-1520B (SCSI Card)	PASS
Intel PILA8560 10/100 Mbps (Lan Card)	PASS
USB Compatible Test	Result
CMOS Setting Test	PASS
Floppy Disk Controller Test	Result
Copy and Compare file between C : and A/B	PASS
Format A/B with system transfer and boot PC from floppy	PASS
I/O Peripheral Test	Result
FDD Driver A:	PASS
Primary IDE Master	PASS
Primary IDE Slave	PASS
Secondary IDE Master	PASS
Secondary IDE Slave	PASS
COM 1	PASS
COM 2 -232	PASS
PS/2 MOUSE	PASS
LPT 1	PASS
USB Ports	PASS
Compact Flash	PASS
H/W Reset	PASS
Speaker	PASS
Buzzer	PASS
HDD LED	PASS
Power LED	PASS
LAN LED / Function	PASS
ATX Power button	PASS
CPU FAN Connector	PASS
Watchdog IRQ n	PASS
Peripheral Storage Device Compatible test	Result
Compact Flash	PASS

Modular System Industrial Workstatauon Function Test	Result
AC power outlet / inlet	PASS
CD-ROM & Floppy drive included	PASS
59 Data-entry&20/24 function keys	PASS
On Board I / O Function Test	Result
COM Port Send-Receive Test	PASS
Checklt 7.0 Portable Edition Test	PASS
BIOS Function Test	Result
Standard CMOS Setup Test	PASS
Boot Sequence Test	PASS
APM Power manager test	PASS
ACPI Power manager test	PASS
Power On Function test	PASS
Wake Up Event Test	PASS,N.A¹
CMOS backup Test	PASS
Boot ROM Test	PASS²
COM Address/IRQ Test	PASS
LPT Address /IRQ Test	PASS
Hardware Monitor Test	PASS
Supervisor / User Password Test	PASS
BIOS Awdflash Program Test	PASS
Performance Test – CPU Pentium III 850 , DRAM 128MB	Result
LandMark Speed 2.0 – CPU	33153
LandMark Speed 2.0 – FPU	6981.15
LandMark Speed 2.0 – VIDEO	17873
WinBench 99 V1.1- CPU mark99	121
WinBench 99 V1.1- FPU winmark	6060
WinBench 99 V1.1- Business Graphic winmark99	176
WinBench 99 V1.1- High_end Graphic winmark99	713
Final Reality V1.01 BenchMark Test – 2D image	18.64
Final Reality V1.01 BenchMark Test – 3D	6.75
Final Reality V1.01 BenchMark Test – Bus transfer	14.27
Final Reality V1.01 BenchMark Test – Overall	11.45
3D Winbench 2000 Processor Test	20.8
C.C Winstone 2001	35
High End WinStone 99	46.4
Business WinStone 99	42.6
Operation System Compatible Test	Result
Windows 98SE English version	PASS
Windows 2000 professional English version	PASS
Windows XP Professional English version	PASS
Windows XP Home Edition English version	PASS

Utility and Driver Test	Result
VGA for Windows 98SE (Onboard Intel®82845GV Rev.4.13.01.3317)	PASS
VGA for Windows 2000P (Onboard Intel®82845GV Rev.6.13.01.3317)	PASS
VGA for Windows XP (Onboard Intel®82845GV Rev.6.13.01.3317)	PASS
LAN for Windows 98SE (Intel®82562 Rev. 6.1.3.0)	PASS
LAN for Windows 2000P (Intel®82562 Rev. 6.1.3.0)	PASS
LAN for Windows XP(Intel®82562 Rev. 6.1.3.0)	PASS
Sound for Windows 98SE (Avance AC' 97 Codec Rev. 5.10.00.4010)	PASS
Sound for Windows 2000P (VIA VT82C686B AC97 Codec Rev. 5.10.00.4010)	PASS
Sound for Windows XP (VIA VT82C686B AC97 Codec Rev. 5.10.00.4010)	PASS

Summary OF Result	
N.A ¹	It can't be tested for Wake Up On MODEM COM2, because the SBC-860 doesn't support Wake Up on Modem function.
PASS ²	It can pass Remote Boot with RPL. It can't tested under Boot ROM to WinNT4.0 [PXE] , because the SBC-860 BIOS Ver.1.0 doesn't support Intel 82562ET PXE function.