

Power Consumption Test Report for J2NC81&83

Configuration

Configuration

Main Board	J2NC81&NC83	Sound card	Realtek ALC662
BIOS			
Chipset (NB)	RS780G	LAN card	Realtek RTL8111C-VC-GR
Chipset (SB)	SB700	IDE HDD	W.D 80GB 7200RPM SATA2
CPU	AMD BE-2400 45W	IDE CD-ROM	NA
FSB Speed		Keyboard	USB Keyboard
Memory Bus Speed	800MHz	Mouse	USB Mouse
AGP Card	NA	Scope Model	Tektronix 3054
PCI Card	NA	Power	HUNTKEY 2.3+
DIMM Memory	CRUCIAL DDR2-800 1GB*2	Probe Model	Tektronix A6302 current probe
Display card	ONBOARD		

NC 81 DC Power Consumption

Test Conditions		3.3V	A	Watt	5V	A	Watt	12V	A	Watt	5VSB	A	Watt	-12V	A	Watt	Total(Watt)
DOS Idle																	
Win XP SP2	Idle	3,36	1	3,36	5,01	2,9	14,529	12	1,6	19,2	5,07	0,6	3,042	-12,24	0,1	1,224	41,355
	3Dmark 2010	3,35	1	3,35	4,99	5,2	25,948	11,96	3,9	46,644	5,07	0,7	3,549	-12,24	0,1	1,224	80,715
	S3 STATE	0	0	0	0	0	0	0	0	0	5,1	0,4	2,04	0,00	0	0	2,04
	CC Winstone2004	3,35	0,9	3,015	5	5	25	12	3,7	44,4	5,07	0,9	4,563	-12,24	0,1	1,224	78,202

Power Consumption

Test Conditions		V	A	Watt
DOS Idle				
Win XP SP2	Idle	220	0,25	55
	3Dmark 2010	220	0,45	99
	S3 STATE	220	NA	NA
	CC Winstone2004	220	0,41	90,2

NC 83 DC Power Consumption

Test Conditions		3.3V	A	Watt	5V	A	Watt	12V	A	Watt	5VSB	A	Watt	-12V	A	Watt	Total(Watt)
DOS Idle																	
Win XP SP2	Idle	3,34	0,5	1,67	5,1	2,5	12,75	12,26	0,9	11,034	5,08	0,4	2,032	-12,24	0,1	1,224	28,71
	3Dmark 2010	3,33	0,6	1,998	5,1	4,2	21,42	12,2	3,9	47,58	5,08	0,4	2,032	-12,24	0,1	1,224	74,254
	S3 STATE	0	0	0	0	0	0	0	0	0	5,1	0,2	1,02	0,00	0	0	1,02
	CC Winstone2004	3,34	0,5	1,67	5,1	4,1	20,91	12,2	3,9	47,58	5,08	0,42	2,1336	-12,24	0,1	1,224	73,5176

Power Consumption

Test Conditions		V	A	Watt
DOS Idle				
Win XP SP2	Idle	220	0,23	50,6
	3Dmark 2010	220	0,43	94,6
	S3 STATE	220	NA	NA
	CC Winstone2004	220	0,38	83,6

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Chipset (SB)	SB700	IDE HDD	W.D 80GB 7200RPM SATA2
CPU	AMD 4800+ 65W	IDE CD-ROM	NA
FSB Speed		Keyboard	USB Keyboard
Memory Bus Speed	800MHz	Mouse	USB Mouse
AGP Card	NA	Scope Model	Tektronix 3054
PCI Card	NA	Power	HUNTKEY 2.3+
DIMM Memory	CRUCIAL DDR2-800 1GB*2	Probe Model	Tektronix A6302 current probe
Display card	ONBOARD		

NC 81 DC Power Consumption

Test Conditions		3.3V	A	Watt	5V	A	Watt	12V	A	Watt	5VSB	A	Watt	-12V	A	Watt	Total(Watt)	
DOS Idle																		
Win XP SP2	Idle	3,33	1,13	3,7629	5,13	3,29	16,8777	12,15	1,66	20,169	4,98	0,65	3,237	-12,24	0,1	1,224	45,2706	
	3Dmark 2010	3,32	0,95	3,154	5,16	5,2	26,832	12,02	4,8	57,696	4,96	0,71	3,5216	-12,24	0,1	1,224	92,4276	
	S3 STATE	0	0	0	0	0	0	0	0	0	0	5,1	0,4	2,04	0,00	0	0	2,04
	CC Winstone2004	3,31	0,9	2,979	5,13	5	25,65	12,02	5,1	61,302	4,97	0,8	3,976	-12,24	0,1	1,224	95,131	

Power Consumption

Test Conditions		V	A	Watt
DOS Idle				
Win XP SP2	Idle	220	0,27	59,4
	3Dmark 2010	220	0,5	110
	S3 STATE	220	NA	NA
	CC Winstone2004	220	0,46	101,2

NC 83 DC Power Consumption

Test Conditions		3.3V	A	Watt	5V	A	Watt	12V	A	Watt	5VSB	A	Watt	-12V	A	Watt	Total(Watt)	
DOS Idle																		
Win XP SP2	Idle	3,33	0,65	2,1645	5,13	2,6	13,338	12,15	1,2	14,58	4,98	0,5	2,49	-12,24	0,1	1,224	33,7965	
	3Dmark 2010	3,32	0,6	1,992	5,16	4,5	23,22	12,02	5,2	62,504	4,96	0,43	2,1328	-12,24	0,1	1,224	91,0728	
	S3 STATE	0	0	0	0	0	0	0	0	0	0	5,1	0,3	1,53	0,00	0	0	1,53
	CC Winstone2004	3,31	0,56	1,8536	5,13	3,5	17,955	12,02	4,3	51,686	4,97	0,4	1,988	-12,24	0,1	1,224	74,7066	

Power Consumption

Test Conditions		V	A	Watt
DOS Idle				
Win XP SP2	Idle	220	0,24	52,8
	3Dmark 2010	220	0,43	94,6
	S3 STATE	220	NA	NA
	CC Winstone2004	220	0,42	92,4