

NetWinder specific documentation

The NetWinder is a small low-power computer, primarily designed to run Linux. It is based around the StrongARM RISC processor, DC21285 PCI bridge, with PC-type hardware glued around it.

Port usage

Min	- Max	Description
0x0000	- 0x000f	DMA1
0x0020	- 0x0021	PIC1
0x0060	- 0x006f	Keyboard
0x0070	- 0x007f	RTC
0x0080	- 0x0087	DMA1
0x0088	- 0x008f	DMA2
0x00a0	- 0x00a3	PIC2
0x00c0	- 0x00df	DMA2
0x0180	- 0x0187	IRDA
0x01f0	- 0x01f6	ide0
0x0201		Game port
0x0203		RWA010 configuration read
0x0220	- ?	SoundBlaster
0x0250	- ?	WaveArtist
0x0279		RWA010 configuration index
0x02f8	- 0x02ff	Serial ttyS1
0x0300	- 0x031f	Ether10
0x0338		GPI01
0x033a		GPI02
0x0370	- 0x0371	W83977F configuration registers
0x0388	- ?	AdLib
0x03c0	- 0x03df	VGA
0x03f6		ide0
0x03f8	- 0x03ff	Serial ttyS0
0x0400	- 0x0408	DC21143
0x0480	- 0x0487	DMA1
0x0488	- 0x048f	DMA2
0x0a79		RWA010 configuration write
0xe800	- 0xe80f	ide0/ide1 BM DMA

Interrupt usage

IRQ	type	Description
0	ISA	100Hz timer
1	ISA	Keyboard
2	ISA	cascade
3	ISA	Serial ttyS1
4	ISA	Serial ttyS0
5	ISA	PS/2 mouse
6	ISA	IRDA
7	ISA	Printer

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8	ISA	RTC alarm
9	ISA	
10	ISA	GP10 (Orange reset button)
11	ISA	
12	ISA	WaveArtist
13	ISA	
14	ISA	hda1
15	ISA	

DMA usage
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DMA	type	Description
0	ISA	IRDA
1	ISA	
2	ISA	cascade
3	ISA	WaveArtist
4	ISA	
5	ISA	
6	ISA	
7	ISA	WaveArtist