

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		GPIO1
0x033a		GPIO2
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
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

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