

## Color Computer Hardware Addresses

Here is the start of a listing of the reserved I/O space at the top of the Color Computer memory map. I am still looking for more information on devices that are not listed here, so if anyone has any feel free to email me and I will add it to the list. For now the list is just showing a brief description, if I get ambitious in the future I may link off this list to more specific descriptions on this site or others.

Hex Address	Decimal Address	Device	Description
FF00	65280	CoCo 1,2,3	Keyboard Rows Bit 0 - 6, Bit 7 Joystick comparison input
FF01	65281	CoCo 1,2,3	Horizontal Sync Clock Interrupt input, SEL 1
FF02	65283	CoCo 1,2,3	Keyboard Columns
FF03	65284	CoCo 1,2,3	Field Sync Interrupt input, SEL 2
FF20	65312	CoCo 1,2,3	6 Bit D/A, RS-232 Output, Cassette Data input
FF21	65313	CoCo 1,2,3	RS-232 CD Status, Cassette Motor control
FF22	65314	CoCo 1,2,3	RS-232 Data Input, Single Bit Sound output, Ram Size input, VDG Control
FF23	65315	CoCo 1,2,3	Cartridge Interrupt, 6 Bit Sound enable
FF40-FF4F	65344-65359	Drive Controller	
FF50-FF5F	65360-65375	Drive Controller, Disto	
FF50-FF57	65360-65367	Disto Mini Expansion Bus	
FF50-FF58	65360-65368	IDE Controller	Default Address
FF60-FF7F	65376-65407	TC <sup>3</sup> SCSI Interface	Two addresses used in this range
FF60	65376	X - Pad	X Axis Data
FF61	65377	X - Pad	Y Axis Data
FF62	65378	X - Pad	Pen Status
FF63	65379	X - Pad	Unused
FF68	65384	RS-232 Pak	Data
FF69	65385	RS-232 Pak	Write Soft Reset, Read Status Register
FF6A	65386	RS-232 Pak	Command Register
FF6B	65387	RS-232 Pak	Control Register
FF6C-FF6F	65388-65391	Modem Pak	
FF70-FF78	65392-65400	IDE Controller	Alternate Address
FF70	65392	LR Tech SASI	Alternate Address
FF74	65396	LR Tech SASI	Default Address

FF74-FF77	65396-65399	Disto SCII Haltless Controller	Additional Addresses
FF7A	65402	Orchestra 90 Pak	Left Channel D/A
FF7B	65403	Orchestra 90 Pak	Right Channel D/A
FF7D	65405	Speech/Sound Pak	Software Reset
FF7E	65406	Speech/Sound Pak	Data and Status
FF7F	65407	Multi-pak Interface	Slot Select
FF90	65424	CoCo 3	Initialization Register 0
FF91	65425	CoCo 3	Initialization Register 1
FF92	65426	CoCo 3	IRQ Enable
FF93	65427	CoCo3	FIRQ Enable
FF94	65428	CoCo 3	Timer MSN (Most Significant Nibble)
FF95	65429	CoCo 3	Timer LSB
FF98	65432	CoCo 3	Video Mode Register
FF99	65433	CoCo 3	Video Resolution Register
FF9A	65434	CoCo 3	Border Register
FF9B	65435	CoCo3/ 2 Mb Memory, NoCan Series to 8 Mb	Bits 0 - 5
FF9C	65436	CoCo 3	Vertical Scroll Register
FF9D	65437	CoCo 3	Vertical Offset 1 Register
FF9E	65438	CoCo 3	Vertical Offset 0 Register
FF9F	65439	CoCo 3	Horizontal Offset 0 Register
FFA0-FFA8	65440-65448	CoCo 3	MMU
FFA9-FFAF	65449-65455	CoCo 3	MMU
FFB0-FFBF	65456-65471	CoCo 3	Palette Registers
FFC0	65472	CoCo 1,2,3	Display Mode Control
FFC1	65473	CoCo 1,2,3	Display Mode Control
FFC2	65474	CoCo 1,2,3	Display Mode Control
FFC3	65475	CoCo 1,2,3	Display Mode Control
FFC4	65476	CoCo 1,2,3	Display Mode Control
FFC5	65477	CoCo 1,2,3	Display Mode Control
FFC6	65478	CoCo 1,2,3	Display Offset
FFC7	65479	CoCo 1,2,3	Display Offset
FFC8	65480	CoCo 1,2,3	Display Offset
FFC9	65481	CoCo 1,2,3	Display Offset
FFCA	65482	CoCo 1,2,3	Display Offset
FFCB	65483	CoCo 1,2,3	Display Offset
FFCC	65484	CoCo 1,2,3	Display Offset
FFCD	65485	CoCo 1,2,3	Display Offset

FFCE	65486	CoCo 1,2,3	Display Offset
FFCF	65487	CoCo 1,2,3	Display Offset
FFD0	65488	CoCo 1,2,3	Display Offset
FFD1	65489	CoCo 1,2,3	Display Offset
FFD2	65490	CoCo 1,2,3	Display Offset
FFD3	65491	CoCo 1,2,3	Display Offset
FFD4	65492	CoCo 1,2	Page 1
FFD5	65493	CoCo 1,2	Page 1
FFD6	65494	CoCo 1,2	CPU Rate
FFD7	65495	CoCo 1,2	CPU Rate
FFD8	65496	CoCo 1,2,3	CPU Rate
FFD9	65497	CoCo 1,2,3	CPU Rate
FFDA	65498	CoCo 1,2	Memory size
FFDB	65499	CoCo 1,2	Memory size
FFDC	65500	CoCo 1,2	Memory Size
FFDD	65501	CoCo 1,2	Memory Size
FFDE	65502	CoCo 1,2,3	Map Type
FFDF	65503	CoCo 1,2,3	Map Type
FFF0	65520	6309	Exception Vector MSB
FFF1	65521	6309	Exception Vector LSB
FFF2	65522	CoCo 1,2,3	SWI3 Vector MSB
FFF3	65523	CoCo 1,2,3	SWI3 Vector LSB
FFF4	65524	CoCo 1,2,3	SWI2 Vector MSB
FFF5	65525	CoCo 1,2,3	SWI2 Vector LSB
FFF6	65526	CoCo 1,2,3	FIRQ Vector MSB
FFF7	65527	CoCo 1,2,3	FIRQ Vector LSB
FFF8	65528	CoCo 1,2,3	IRQ Vector MSB
FFF9	65529	CoCo 1,2,3	IRQ Vector LSB
FFFA	65530	CoCo 1,2,3	SWI1 Vector MSB
FFFB	65531	CoCo 1,2,3	SWI1 Vector LSB
FFFC	65532	CoCo 1,2,3	NMI Vector MSB
FFFD	65533	CoCo 1,2,3	NMI Vector LSB
FFFE	65534	CoCo 1,2,3	RESET Vector MSB
FFFF	65535	CoCo 1,2,3	RESET Vector LSB

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