

\$40	(read_n / write)	ID	\$D08 ID \$D4	MSX2+ FS-A1 Series MSX++ Computers and Compatibles	Z80B 5.37MHz OCM-PLD v2.4 or later
\$41	(read_n / write)	BIT 0		Smart Command ID (see the list on the right)	CPL or \$FF (null)
		BIT 1			
		BIT 2			
		BIT 3			
		BIT 4			
		BIT 5			
		BIT 6			
\$42	(read / write_n)	BIT 7			
		BIT 0	CPU Clock	Virtual DIP-SW1	
		BIT 1	Video Output (MSB)	Virtual DIP-SW2	
		BIT 2	Video Output (LSB)	Virtual DIP-SW3	
		BIT 3	Cartridge Slot-1	Virtual DIP-SW4	
		BIT 4	Cartridge Slot-2 (MSB)	Virtual DIP-SW5	
		BIT 5	Cartridge Slot-2 (LSB)	Virtual DIP-SW6	
\$43	(read / write_n)	BIT 6	Current Mapper Size	Virtual DIP-SW7	
		BIT 7	Current MegaSD Mode	Virtual DIP-SW8	
		BIT 0		CPU Clock	
		BIT 1		Video Output	
		BIT 2		Audio Mixer & SCRLK	
		BIT 3	Lock Mask of the Toggles	Cartridge Slot-1	
		BIT 4		Cartridge Slot-2	
\$44	(read / write_n)	BIT 5		Hard Reset Key	
		BIT 6		Internal Mapper	
		BIT 7		Internal MegaSD	
		BIT 0		Led 1 Status	
		BIT 1	Lights I/O + Dynamic ID (d-ID)	Led 2 Status	
		BIT 2		Led 3 Status	
		BIT 3		Led 4 Status	
\$45	(read / write_n)	BIT 4	(SM-X, SX-2 and SX-E only use Led 8 but this register works the same way)	Led 5 Status	
		BIT 5		Led 6 Status	
		BIT 6		Led 7 Status	
		BIT 7		Led 8 Status	
		BIT 0		BIT 0 (LSB)	
		BIT 1	PSG Volume Level (0 - 7)	BIT 1	
		BIT 2		BIT 2 (MSB)	
\$46	(read / write_n)	BIT 3		Status	
		BIT 4	PSG Mute	BIT 0 (LSB)	
		BIT 5	Master Volume Level (0 - 7)	BIT 1	
		BIT 6		BIT 2 (MSB)	
		BIT 7	Master Mute	Status	
		BIT 0		BIT 0 (LSB)	
		BIT 1	OPLL Volume Level (0 - 7)	BIT 1	
\$47	(read only)	BIT 2		BIT 2 (MSB)	
		BIT 3	OPLL Mute	Status	
		BIT 4		BIT 0 (LSB)	
		BIT 5	SCC-I Volume Level (0 - 7)	BIT 1	
		BIT 6		BIT 2 (MSB)	
		BIT 7	SCC-I Mute	Status	
		\$48	(read only)	BIT 0	
BIT 1	CPU Custom Speed Level (1 - 7)			BIT 1	
BIT 2				BIT 2 (MSB)	
BIT 3	Turbo MegaSD (tMSD)			Status	
BIT 4	Turbo Pana Redirection (TPR)			Status	
BIT 5	VDP Speed Mode			0=Normal, 1=Fast	
BIT 6	Mapper Size Req			0=2048 KB, 1=4096 KB	
\$49	(read only)	BIT 7	MegaSD Mode Req	Status	
		BIT 0	Turbo Pana	Status	
		BIT 1	Current Keyboard Layout	0=JP, 1=Non-JP	
		BIT 2	SCRLK Toggle	Status	
		BIT 3	Lights Mode	0=Auto, 1=ON	
		BIT 4	Red Mode (Led 0)	Status	
		BIT 5	Last Reset Ack	0=Cold Reset ack, 1=Warm Reset ack	
\$4A	(read only)	BIT 6	Reset Required Flag	Status	
		BIT 7	MegaSD Blink	Status	
		BIT 0	Pseudo Stereo	Status	
		BIT 1	External Clock Mode	0=Sync to CPU, 1=3.58MHz	
		BIT 2	Machine Type ID	BIT 0 (LSB)	
		BIT 3	(0=1chipMSX, 1=2emmix Neo/SX-1 and related, 2=SM-X/MC2P, 3=SK-2, 4=SM-X Mini/SM-X HB, 5=DEOCV+DEOCM, 6=SK-E/SX-Lite, 7-15=Unknown)	BIT 1	
		BIT 4	NTSC/PAL Type	BIT 2	
\$4B	(read only)	BIT 5	Forced Video Mode	BIT 3 (MSB)	
		BIT 6		0=Forced, 1=Auto	
		BIT 7		0=60Hz (NTSC), 1=50Hz (PAL)	
		BIT 0	Right Inverse Audio	Status	
		BIT 1		BIT 0 (LSB)	
		BIT 2	Pixel Ratio 1:1 for LED Display	BIT 1	
		BIT 3		BIT 2 (MSB)	
\$4C	(read only)	BIT 4	Centering YJK Modes/R25 Mask	Status	
		BIT 5	Assignment of Legacy Output	0=To VGA, 1=To VGA+	
		BIT 6	Internal Slot-1 Linear	Status	
		BIT 7	Internal Slot-2 Linear	Status	
		BIT 0		BIT 0 (LSB)	
		BIT 1	VGA Scanlines Level (Status*25%)	BIT 1 (MSB)	
		BIT 2		Status	
d-ID \$00	(read only)	BIT 3	Internal PSG2	BIT 2 (MSB)	
		BIT 4	SDRAM Size	BIT 0 (LSB)	
		BIT 5	(0=8 MB, 1=16 MB, 2=32 MB, 3=Over 32 MB)	BIT 1 (MSB)	
		BIT 6	OCM-BIOS Reloading Req	Status	
		BIT 7	Extra-Mapper 4096 KB Req	Status	
			Slot-0 Mode Req	0=Primary, 1=Expanded	
		\$4D	(read only)	BIT 0	Extended MegaROM Reading
BIT 1	Auxiliary SDRAM Size			BIT 0 (LSB)	
BIT 2	(0=64 MB, 1=128 MB, 2=192 MB, 3=256 MB, 4=384 MB, 5=512 MB, 6=768 MB, 7=1024 MB)			BIT 1	
BIT 3				BIT 2 (MSB)	
BIT 4				BIT 0 (LSB)	
BIT 5	Vertical Offset (Status+12)			BIT 1	
BIT 6				BIT 2 (MSB)	
\$4E	(read only)	BIT 7		BIT 3 (MSB)	
		BIT 0	Sprite Limit	0=4/8 (standard), 1=8/8 (enhanced)	
		BIT 1		BIT 0 (LSB)	
		BIT 2	Free	BIT 1	
		BIT 3		BIT 2 (MSB)	
		BIT 4	Safe Mode	Status	
		BIT 5	C-BIOS Mode	Status	
\$4F	(read only)	BIT 6	Extra-Mapper 4096 KB Ack	Status	
		BIT 7	Current Slot-0 Mode	0=Primary, 1=Expanded	
		BIT 0		CPU Clock	
		BIT 1	Video Output (MSB)	Hard DIP-SW1	
		BIT 2	Video Output (LSB)	Hard DIP-SW2	
		BIT 3	Cartridge Slot-1	Hard DIP-SW3	
		BIT 4	Cartridge Slot-2 (MSB)	Hard DIP-SW4	
\$40	(read only)	BIT 5	Cartridge Slot-2 (LSB)	Hard DIP-SW5	
		BIT 6	Internal Mapper	Hard DIP-SW6	
		BIT 7	Internal MegaSD	Hard DIP-SW7	
		BIT 0		Hard DIP-SW8	
		BIT 1		BIT 0 (LSB)	
		BIT 2	64 KB VRAM Slot ID (Page 0)	BIT 1	
		BIT 3		BIT 2	
\$41	(read / write_n)	BIT 4		BIT 3 (MSB)	
		BIT 5		BIT 0 (LSB)	
		BIT 6	64 KB VRAM Slot ID (Page 1)	BIT 1	
		BIT 7		BIT 2	
		BIT 0		BIT 3 (MSB)	
		BIT 1		BIT 0 (LSB)	
		BIT 2		BIT 1	
\$42	(read only)	BIT 3		BIT 2 (MSB)	
		BIT 4		Status	
		BIT 5		Status	
		BIT 6		Status	
		BIT 7		Status	
		BIT 0		Status	
		BIT 1		Status	
\$43	(read only)	BIT 2		Status	
		BIT 3		Status	
		BIT 4		Status	
		BIT 5		Status	
		BIT 6		Status	
		BIT 7		Status	
		BIT 0		Status	
\$44	(read only)	BIT 1		Status	
		BIT 2		Status	
		BIT 3		Status	
		BIT 4		Status	
		BIT 5		Status	
		BIT 6		Status	
		BIT 7		Status	
\$45	(read only)	BIT 0		Status	
		BIT 1		Status	
		BIT 2		Status	
		BIT 3		Status	
		BIT 4		Status	
		BIT 5		Status	
		BIT 6		Status	
\$46	(read only)	BIT 7		Status	
		BIT 0		Status	
		BIT 1		Status	
		BIT 2		Status	
		BIT 3		Status	
		BIT 4		Status	
		BIT 5		Status	
\$47	(read only)	BIT 6		Status	
		BIT 7		Status	
		BIT 0		Status	
		BIT 1		Status	
		BIT 2		Status	
		BIT 3		Status	
		BIT 4		Status	
\$48	(read only)	BIT 5		Status	
		BIT 6		Status	
		BIT 7		Status	
		BIT 0		Status	
		BIT 1		Status	
		BIT 2		Status	
		BIT 3		Status	
\$49	(read only)	BIT 4		Status	
		BIT 5		Status	
		BIT 6		Status	
		BIT 7		Status	
		BIT 0		Status	
		BIT 1		Status	
		BIT 2		Status	
\$4A	(read only)	BIT 3		Status	
		BIT 4		Status	
		BIT 5		Status	
		BIT 6		Status	
		BIT 7		Status	
		BIT 0		Status	
		BIT 1		Status	
\$4B	(read only)	BIT 2		Status	
		BIT 3		Status	
		BIT 4		Status	
		BIT 5		Status	
		BIT 6		Status	
		BIT 7		Status	
		BIT 0		Status	
\$4C	(read only)	BIT 1		Status	
		BIT 2		Status	
		BIT 3		Status	
		BIT 4		Status	
		BIT 5		Status	
		BIT 6		Status	
		BIT 7		Status	
\$4D	(read only)	BIT 0		Status	
		BIT 1		Status	
		BIT 2		Status	
		BIT 3		Status	
		BIT 4		Status	
		BIT 5		Status	
		BIT 6		Status	
\$4E	(read only)	BIT 7		Status	
		BIT 0		Status	
		BIT 1		Status	
		BIT 2		Status	
		BIT 3		Status	
		BIT 4		Status	
		BIT 5		Status	
\$4F	(read only)	BIT 6		Status	
		BIT 7		Status	
		BIT 0		Status	
		BIT 1		Status	
		BIT 2		Status	
		BIT 3		Status	
		BIT 4		Status	
\$50	(read only)	BIT 5		Status	
		BIT 6		Status	
		BIT 7		Status	
		BIT 0		Status	
		BIT 1		Status	
		BIT 2		Status	
		BIT 3		Status	
\$51	(read only)	BIT 4		Status	
		BIT 5		Status	
		BIT 6		Status	
		BIT 7		Status	
		BIT 0		Status	
		BIT 1		Status	
		BIT 2		Status	
\$52	(read only)	BIT 3		Status	
		BIT 4		Status	
		BIT 5		Status	
		BIT 6		Status	
		BIT 7		Status	
		BIT 0		Status	
		BIT 1		Status	
\$53	(read only)	BIT 2		Status	
		BIT 3		Status	
		BIT 4		Status	
		BIT 5		Status	
		BIT 6		Status	
		BIT 7		Status	
		BIT 0		Status	
\$54	(read only)	BIT 1		Status	
		BIT 2		Status	
		BIT 3		Status	
		BIT 4		Status	
		BIT 5		Status	
		BIT 6		Status	
		BIT 7		Status	
\$55	(read only)	BIT 0		Status	
		BIT 1		Status	
		BIT 2		Status	
		BIT 3		Status	
		BIT 4		Status	
		BIT 5		Status	
		BIT 6		Status	
\$56	(read only)	BIT 7		Status	
		BIT 0		Status	
		BIT 1		Status	
		BIT 2		Status	
		BIT 3		Status	
		BIT 4		Status	
		BIT 5		Status	
\$57	(read only)	BIT 6		Status	
		BIT 7		Status	
		BIT 0		Status	
		BIT 1		Status	
		BIT 2		Status	
		BIT 3		Status	
		BIT 4		Status	
\$58	(read only)	BIT 5		Status	
		BIT 6		Status	
		BIT 7		Status	
		BIT 0		Status	
		BIT 1		Status	
		BIT 2		Status	
		BIT 3		Status	
\$59	(read only)	BIT 4		Status	
		BIT 5		Status	
		BIT 6		Status	
		BIT 7		Status	
		BIT 0		Status	
		BIT 1		Status	
		BIT 2		Status	
\$5A	(read only)	BIT 3		Status	
		BIT 4		Status	
		BIT 5		Status	
		BIT 6		Status	
		BIT 7		Status	
		BIT 0		Status	
		BIT 1		Status	
\$5B	(read only)	BIT 2		Status	
		BIT 3		Status	
		BIT 4		Status	
		BIT 5		Status	
		BIT 6		Status	
		BIT 7		Status	
		BIT 0		Status	
\$5C	(read only)	BIT 1		Status	
		BIT 2		Status	
		BIT 3		Status	
		BIT 4		Status	
		BIT 5		Status	
		BIT 6		Status	
		BIT 7		Status	
\$5D	(read only)	BIT 0		Status	
		BIT 1		Status	
		BIT 2		Status	
		BIT 3		Status	
		BIT 4		Status	
		BIT 5		Status	
		BIT 6		Status	
\$5E	(read only)	BIT 7		Status	
		BIT 0		Status	
		BIT 1		Status	
		BIT 2		Status	
		BIT 3		Status	
		BIT 4		Status	
		BIT 5		Status	
\$5F	(read only)	BIT 6		Status	
		BIT 7		Status	
		BIT 0		Status	
		BIT 1		Status	
		BIT 2		Status	
		BIT 3		Status	
		BIT 4		Status	
\$60	(read only)	BIT 5		Status	
		BIT 6		Status	
		BIT 7		Status	
		BIT 0		Status	
		BIT 1		Status	
		BIT 2		Status	
		BIT 3		Status	
\$61	(read only)	BIT 4		Status	
		BIT 5		Status	
		BIT 6		Status	
		BIT 7		Status	
		BIT 0		Status	
		BIT 1		Status	
		BIT 2		Status	
\$62	(read only)	BIT 3		Status	
		BIT 4		Status	
		BIT 5		Status	
		BIT 6		Status	
		BIT 7		Status	
		BIT 0		Status	
		BIT 1		Status	
\$63	(read only)	BIT 2		Status	
		BIT 3		Status	
		BIT 4		Status	
		BIT 5		Status	
		BIT 6		Status	
		BIT 7		Status	
		BIT 0		Status	
\$64	(read only)	BIT 1		Status	
		BIT 2		Status	
		BIT 3		Status	
		BIT 4		Status	
		BIT 5		Status	
		BIT 6		Status	
		BIT 7		Status	
\$65	(read only)	BIT 0		Status	
		BIT 1		Status	
		BIT 2		Status	
		BIT 3		Status	
		BIT 4		Status	
		BIT 5		Status	
		BIT 6		Status	
\$66	(read only)	BIT 7		Status	
		BIT 0		Status	
		BIT 1		Status	
		BIT 2		Status	
		BIT 3		Status	
		BIT 4		Status	
		BIT 5		Status	
\$67	(read only)	BIT 6		Status	
		BIT 7		Status	
		BIT 0		Status	
		BIT 1		Status	
		BIT 2		Status	
		BIT 3		Status	
		BIT 4		Status	
\$68	(read only)	BIT 5		Status	
		BIT 6		Status	
		BIT 7		Status	
		BIT 0		Status	
		BIT 1		Status	
		BIT 2		Status	
		BIT 3		Status	
\$69	(read only)	BIT 4		Status	
		BIT 5		Status	
		BIT 6		Status	
		BIT 7		Status	
		BIT 0		Status	
		BIT 1		Status	
		BIT 2		Status	
\$6A	(read only)	BIT 3		Status	
		BIT 4		Status	
		BIT 5		Status	
		BIT 6		Status	
		BIT 7		Status	
		BIT 0		Status	
		BIT 1		Status	
\$6B	(read only)	BIT 2		Status	
		BIT 3		Status	
		BIT 4		Status	
		BIT 5		Status	
		BIT 6		Status	
		BIT 7		Status	
		BIT 0		Status	
\$6C	(read only)	BIT 1		Status	
		BIT 2		Status	
		BIT 3		Status	
		BIT 4		Status	
		BIT 5		Status	
		BIT 6		Status	
		BIT 7		Status	
\$6D	(read only)	BIT 0		Status	
		BIT 1		Status	
		BIT 2		Status	
		BIT 3		Status	
		BIT 4		Status	
		BIT 5		Status	
		BIT 6		Status	
\$6E	(read only)	BIT 7		Status	
		BIT 0		Status	
		BIT 1		Status	
		BIT 2		Status	
		BIT 3		Status	
		BIT 4		Status	
		BIT 5		Status	
\$6F	(read only)	BIT 6		Status	
		BIT 7		Status	
		BIT 0		Status	
		BIT 1		Status	
		BIT 2		Status	
		BIT 3		Status	
		BIT 4		Status	
\$70	(read only)	BIT 5		Status	
		BIT 6		Status	
		BIT 7		Status	
		BIT 0		Status	
		BIT 1		Status	
		BIT 2		Status	
		BIT 3		Status	
\$71	(read only)	BIT 4		Status	
		BIT 5		Status	
		BIT 6		Status	
		BIT 7		Status	
		BIT 0		Status	
		BIT 1		Status	
		BIT 2		Status	
\$72	(read only)	BIT 3		Status	
		BIT 4		Status	
		BIT 5		Status	
		BIT			

SMART COMMANDS TABLE					
\$00	(000)	Null Command \$00 (reserved)			
\$01	(001)	Set Turbo Pana Redirection OFF (default)			
\$02	(002)	Set Turbo Pana Redirection ON			
\$03	(003)	Set Standard Speed 3.58MHz			
\$04	(004)	Set Custom Speed 4.10MHz			
\$05	(005)	Set Custom Speed 4.48MHz			
\$06	(006)	Set Custom Speed 4.90MHz			
\$07	(007)	Set Custom Speed 5.39MHz			
\$08	(008)	Set Custom Speed 6.10MHz			
\$09	(009)	Set Custom Speed 6.96MHz			
\$0A	(010)	Set Custom Speed 8.06MHz (aka "Turbo 10MHz") (default)			
\$0B	(011)	Set Turbo MegaSD OFF			
\$0C	(012)	Set Turbo MegaSD ON (default)			
\$0D	(013)	Set External Slot-1 + External Slot-2			
\$0E	(014)	Set Internal SCC-I Slot-1 + External Slot-2			
\$0F	(015)	Set External Slot-1 + Internal SCC-I Slot-2			
\$10	(016)	Set Internal SCC-I Slot-1 + Internal SCC-I Slot-2			
\$11	(017)	Set External Slot-1 + Internal ASCII-8K Slot-2			
\$12	(018)	Set Internal SCC-I Slot-1 + Internal ASCII-8K Slot-2			
\$13	(019)	Set External Slot-1 + Internal ASCII-16K Slot-2			
\$14	(020)	Set Internal SCC-I Slot-1 + Internal ASCII-16K Slot-2			
\$15	(021)	Set Japanese Keyboard Layout			
\$16	(022)	Set Non-Japanese Keyboard Layout			
\$17	(023)	Set Display Mode 15KHz Composite/S-Video			
\$18	(024)	Set Display Mode 15KHz RGB w/ Audio Out			
\$19	(025)	Set Display Mode 31KHz VGA for LED TV or LED Display		also HDMI AV on SM-X also HDMI AV on SM-X	
\$1A	(026)	Set Display Mode 31KHz VGA+ for CRT Monitor (legacy output)			
\$1B	(027)	Set VDP Speed Normal Mode (default)			
\$1C	(028)	Set VDP Speed Fast Mode (V9958 only)			
\$1D	(029)	Reserve MegaSD OFF (warm reset to go)			
\$1E	(030)	Reserve MegaSD ON (warm reset to go)			
\$1F	(031)	Set MegaSD Blink OFF			
\$20	(032)	Set MegaSD Blink ON (default)			
\$21	(033)	Set Lights Mode OFF w/ Auto LEDs Control (default)			
\$22	(034)	Set Lights Mode ON + Red Led OFF			
\$23	(035)	Set Lights Mode ON + Red Led ON			
\$24	(036)	Internal Audio Preset #1 "Mute Sound"			
\$25	(037)	Internal Audio Preset #2 "Middle Sound"			
\$26	(038)	Internal Audio Preset #3 "High Sound" (default)			
\$27	(039)	Set CMT OFF (default) (disabled w/ MSXTR BIOS)		n/a on SM-X / SX-2 / SX-E	
\$28	(040)	Set CMT ON (needs a cassette recorder) (disabled w/ MSXTR BIOS)		n/a on SM-X / SX-2 / SX-E	
\$29	(041)	Lock Turbo Toggles			
\$2A	(042)	Unlock Turbo Toggles			
\$2B	(043)	Lock Display Toggles			
\$2C	(044)	Unlock Display Toggles			
\$2D	(045)	Lock Audio Mixer & SCRLK Toggles			
\$2E	(046)	Unlock Audio Mixer & SCRLK Toggles			
\$2F	(047)	Lock Slot-1 Toggles			
\$30	(048)	Unlock Slot-1 Toggles			
\$31	(049)	Lock Slot-2 Toggles			
\$32	(050)	Unlock Slot-2 Toggles			
\$33	(051)	Lock Slot-1 & Slot-2 Toggles			
\$34	(052)	Unlock Slot-1 & Slot-2 Toggles			
\$35	(053)	Lock Hard Reset Key			
\$36	(054)	Unlock Hard Reset Key			
\$37	(055)	Lock Mapper Toggle			
\$38	(056)	Unlock Mapper Toggle			
\$39	(057)	Lock MegaSD Toggle			
\$3A	(058)	Unlock MegaSD Toggle			
\$3B	(059)	Lock All Toggles			
\$3C	(060)	Unlock All Toggles (default)			
\$3D	(061)	Set Pseudo-Stereo OFF (default)			
\$3E	(062)	Set Pseudo-Stereo ON (needs an external sound cartridge)			
\$3F	(063)	Sync External Bus Clock to CPU Speed (default)			
\$40	(064)	Set External Bus Clock 3.58MHz			
\$41	(065)	Set Turbo Pana 5.37MHz			
\$42	(066)	Set Right Inverse Audio OFF (default)			
\$43	(067)	Set Right Inverse Audio ON			
\$44	(068)	Internal Audio Preset #4 "Emphasis PSG Sound"			
\$45	(069)	Internal Audio Preset #5 "Emphasis SCC-I Sound"			
\$46	(070)	Internal Audio Preset #6 "Emphasis OPLL Sound"			
\$47	(071)	Vertical Offset 16 (useful for Ark-A-Noah)			
\$48	(072)	Vertical Offset 17			
\$49	(073)	Vertical Offset 18			
\$4A	(074)	Vertical Offset 19 (default)			
\$4B	(075)	Vertical Offset 20			
\$4C	(076)	Vertical Offset 21			
\$4D	(077)	Vertical Offset 22			
\$4E	(078)	Vertical Offset 23			
\$4F	(079)	Vertical Offset 24 (useful for Space Manbow)			
\$50	(080)	Set VGA Scanlines 0% (default)		only for SM-X / SX-2 / SX-E only for SM-X / SX-2 / SX-E	
\$51	(081)	Set VGA Scanlines 25%			
\$52	(082)	Set VGA Scanlines 50%		only for SM-X / SX-2 / SX-E only for SM-X / SX-2 / SX-E	
\$53	(083)	Set VGA Scanlines 75%			
\$54	(084)	Set Internal PSG2 OFF (default)		only for SM-X / SX-2 / SX-E only for SM-X / SX-2 / SX-E	
\$55	(085)	Set Internal PSG2 ON (this second PSG acts as an external PSG)			
\$56	(086)	Reserve Extra-Mapper 4096 KB OFF (default)			
\$57	(087)	Reserve Extra-Mapper 4096 KB ON (only available if SDRAM > 8 MB)			
\$58	(088)	Set Extended MegaROM Reading OFF (default for compatibility)			
\$59	(089)	Set Extended MegaROM Reading ON (ASCII-8K/16K max size playable)			
\$5A	(090)	Set Sprite Limit 4/8 (standard mode) (default)			
\$5B	(091)	Set Sprite Limit 8/8 (force MSX1 screens to use 8 sprites per line)			
...	...				
\$7E	(126)	Reserve System Logo ON (warm reset only)		old revisions had SFA (250)	
\$7F	(127)	Pixel Ratio 1:1 for LED Display (default is 0) (range 0 - 7) (60Hz only)			
\$80	(128)	Null Command \$80 (useful for programming)			
\$81	(129)	Assign Legacy Output to VGA			
\$82	(130)	Assign Legacy Output to VGA+ (default)			
\$83	(131)	Set Internal Slot-1 Linear OFF (default)			
\$84	(132)	Set Internal Slot-1 Linear ON (requires SCC-I preset)			
\$85	(133)	Set Internal Slot-2 Linear OFF (default)			
\$86	(134)	Set Internal Slot-2 Linear ON (requires SCC-I or ASCII-8K/16K preset)			
\$87	(135)	Set Internal OPL3 OFF (default)			
\$88	(136)	Set Internal OPL3 ON			
\$89 .. \$8F	(137 .. 143)	Reserved (Ducassp)			
...	...				
\$B0 .. \$B7	(176 .. 183)	Set Master Volume 0 .. 7 (default level is 7)			
\$B8 .. \$BF	(184 .. 191)	Set PSG Volume 0 .. 7 (default level is 4)			
\$C0 .. \$C7	(192 .. 199)	Set SCC-I Volume 0 .. 7 (default level is 4)			
\$C8 .. \$CF	(200 .. 207)	Set OPLL Volume 0 .. 7 (default level is 4)			
\$D0	(208)	Force NTSC Mode			
\$D1	(209)	Standard NTSC/PAL Mode (bound by Control Register 9) (default)			
\$D2	(210)	Force PAL Mode			
\$D3	(211)	Restore Default Keyboard Layout			
\$D4	(212)	Null Command \$D4 (reserved) + Set C-BIOS Mode ON (Reserved to IPL-ROM)			
\$D5	(213)	Restore Default Turbo Mode			
\$D6	(214)	Set Centering VJK Modes/R25 Mask OFF (default)			
\$D7	(215)	Set Centering VJK Modes/R25 Mask ON			
\$F8	(248)	Reserve OCM-BIOS Reloading (cold reset or warm reset to go)			
\$F9	(249)	Reserve Slot-0 Primary Mode (warm reset to go) (internal OPLL disabled)			
\$FA	(250)	Reserve Slot-0 Expanded Mode (warm reset to go) (internal OPLL enabled)			
\$FB	(251)	Cold reset			
\$FC	(252)	Warm Reset w/ Mapper 2048 KB (RAM size 6144 KB if Extra-Mapper is ON)			
\$FD	(253)	Warm Reset			
\$FE	(254)	Warm Reset w/ Mapper 4096 KB (RAM size 8192 KB if Extra-Mapper is ON)			
\$FF	(255)	Restore All Defaults + Reserve Default Mapper & MegaSD			
More info on Switched I/O ports at MSX Assembly Page! < http://map.grauw.nl/resources/msx-io_ports.php#switch_io >					
R/W Logic	Positive	0 = OFF 1 = ON	(read / write)		
	Negative	0 = ON 1 = OFF	(read_n / write_n)		
Toggles	CPU Clock	[F12] or [DIP-SW1]			
	Video Output	[(SHIFT+)]PR[TS]CR or [DIP-SW2/3]		SCRLK key could handle	
	Audio Mixer & SCRLK	[(SHIFT+)]PGUP/PGDOWN/F9/F10/F11] & [SCRLK]		CMT or OPL3 depending on the type of machine	
	Cartridge Slot-1	[SHIFT+F12] or [DIP-SW4]			
	Cartridge Slot-2	[SHIFT+SCRLK] or [DIP-SW5/6]			
	System Reset	[CTRL+](SHIFT+F12) Cold or Full Reset + [HARD RESET KEY] Short or Long-Click			
	Internal Mapper	[DIP-SW7] only			
	Internal MegaSD	[DIP-SW8] only			