\$40	( read_n / write )	ID \$08	MSX2+ FS-A1 Series	Z80B 5.37MHz				SMART COMMANDS TABLE
		ID \$D4 BIT 0	1chipMSX / Zemmix Neo	OCM-PLD v2.4 or later		\$00	( 000 )	Null Command (reserved)
\$41	( read_n / write )	BIT 1	Smart Command ID	CPL or \$FF (Null)		\$01 \$02	(001)	Set Turbo Pana Redirection OFF (default) Set Turbo Pana Redirection ON
		BIT 2 BIT 3				\$02 \$03	( 002 ) ( 003 )	Set Yuroo Pana Redirection ON Set Standard Speed 3.58MHz
		BIT 4 BIT 5				\$04 \$05	( 004 ) ( 005 )	Set Custom Speed 4.10MHz Set Custom Speed 4.48MHz
		BIT 6				\$06	( 006 )	Set Custom Speed 4.90MHz
		BIT 7	CPU Clock	Virtual DIP-SW1		\$07 \$08	( 007 )	Set Custom Speed 5.39MHz Set Custom Speed 6.10MHz
		BIT 1	Video Output (MSB)	Virtual DIP-SW2		\$09	( 009 )	Set Custom Speed 6.96MHz
		BIT 2 BIT 3	Video Output (LSB) Cartridge Slot-1	Virtual DIP-SW3 Virtual DIP-SW4		\$0A \$0B	( 010 ) ( 011 )	Set Custom Speed 8.06MHz (aka "Turbo 10MHz") (default) Set Turbo MegaSD OFF
\$42	( read / write_n )	BIT 4	Cartridge Slot-2 (MSB)	Virtual DIP-SW5		\$0C	(012)	Set Turbo MegaSD ON (default)
		BIT 5 BIT 6	Cartridge Slot-2 (LSB) Current Mapper Size	Virtual DIP-SW6 Virtual DIP-SW7		\$0D \$0E	( 013 ) ( 014 )	Set External Slot-1 + External Slot-2 Set Internal SCC-I Slot-1 + External Slot-2
		BIT 7	Current MegaSD Mode	Virtual DIP-SW8		\$0F	(015)	Set External Slot-1 + Internal SCC-I Slot-2
	(read / write_n)	BIT 0 BIT 1		CPU Clock Video Output		\$10 \$11	( 016 ) ( 017 )	Set Internal SCC-I Slot-1 + Internal SCC-I Slot-2 Set External Slot-1 + Internal ASCII-8K Slot-2
		BIT 2	Lock Mak for Toggles	Audio Mixer & CMT		\$12	(018)	Set Internal SCC-I Slot-1 + Internal ASCII-8K Slot-2
\$43		BIT 3 BIT 4		Cartridge Slot-1 Cartridge Slot-2		\$13 \$14	( 019 ) ( 020 )	Set External Slot-1 + Internal ASCII-16K Slot-2 Set Internal SCC-I Slot-1 + Internal ASCII-16K Slot-2
		BIT 5		Hard Reset Key		\$15	(021)	Set Japanese Keyboard Layout
		BIT 6 BIT 7		Internal Mapper Internal MegaSD		\$16 \$17	( 022 ) ( 023 )	Set Non-Japanese Keyboard Layout Set Display Mode 15KHz Composite / S-Video
\$44	( read / write_n )	BIT 0		Led 1 Status		\$18	(024)	Set Display Mode 15KHz RGB w/ Audio Out
		BIT 1 BIT 2		Led 2 Status Led 3 Status		\$19 \$1A	( 025 ) ( 026 )	Set Display Mode 31Khz VGA Mode (60Hz only) Set Display Mode 31Khz VGA+ Mode (50Hz+60Hz)
		BIT 3 BIT 4		Led 4 Status		\$1B \$1C	(027)	Set VDP Speed Normal Mode (default) Set VDP Speed Fast Mode (V9958 only)
		BIT 4 BIT 5		Led 5 Status Led 6 Status		\$1D	( 028 ) ( 029 )	Prepare MegaSD OFF (warm reset to set)
		BIT 6 BIT 7		Led 7 Status Led 8 Status		\$1E \$1F	( 030 ) ( 031 )	Prepare MegaSD ON (warm reset to set) Set MegaSD Blink OFF
		BIT 0		BIT 0 (LSB)		\$20	( 032 )	Set MegaSD Blink ON (default)
\$45	( read / write_n )	BIT 1 BIT 2	PSG Volume Level	BIT 1 BIT 2 (MSB)		\$21 \$22	( 033 )	Set Lights Mode OFF w/ Auto LEDs Control (default) Set Lights Mode ON + Red Led OFF
	( read only )	BIT 3	PSG Mute	Status		\$23	( 035 )	Set Lights Mode ON + Red Led ON
	( read / write_n )	BIT 4 BIT 5	Master Volume Level	BIT 0 (LSB) BIT 1		\$24 \$25	( 036 ) ( 037 )	Set Internal Audio Mute Set Internal Audio Original Volume (like the official firmware)
	, , , _ ,	BIT 6		BIT 2 (MSB)		\$26	( 038 )	Set Internal Audio Max Volume (default)
	( read only )	BIT 7	Master Mute	Status BIT 0 (LSB)		\$27 \$28	( 039 ) ( 040 )	Set CMT OFF (default) (disabled w/ MSX turbo-R BIOS)  Set CMT ON (requires a cassette recorder) (disabled w/ MSX turbo-R BIOS)
\$46	( read / write_n )	BIT 1	OPLL Volume Level	BIT 1		\$29	(041)	Lock Turbo Toggles
	( read only )	BIT 2 BIT 3	OPLL Mute	BIT 2 (MSB) Status		\$2A \$2B	( 042 ) ( 043 )	Unlock Turbo Toggles Lock Display Toggles
	( read / write_n )	BIT 4	SCC-I Volume Level	BIT 0 (LSB)		\$2C	(044)	Unlock Display Toggles Lock Audio Mixer & CMT Toggles
	(Tead / Witte_IT)	BIT 5 BIT 6	SCC-I Volume Level	BIT 1 BIT 2 (MSB)		\$2D \$2E	( 045 ) ( 046 )	Unlock Audio Mixer & CMT Toggles
	( read only )	BIT 7	SCC-I Mute	Status		\$2F	( 047 )	Lock Slot-1 Toggles Unlock Slot-1 Toggles
\$47	( read only )	BIT 0 BIT 1	CPU Custom Speed Level	BIT 0 (LSB) BIT 1		\$30 \$31	( 048 ) ( 049 )	Lock Slot-2 Toggles
		BIT 2 BIT 3	Turbo MegaSD (tMSD)	BIT 2 (MSB) Status		\$32 \$33	( 050 ) ( 051 )	Unlock Slot-2 Toggles Lock Slot-1 & Slot-2 Toggles
		BIT 4	Turbo Pana Redirection (tPR)	Status		\$34	( 052 )	Unlock Slot-1 & Slot-2 Toggles
		BIT 5 BIT 6	VDP Speed Mode Next Mapper Size	0=Normal, 1=Fast 0=2048kB, 1=4096kB		\$35 \$36	( 053 ) ( 054 )	Lock Hard Reset Key Unlock Hard Reset Key
		BIT 7	Next MegaSD Mode	Status		\$37	( 055 )	Lock Mapper Toggle
\$48	( read only )	BIT 0 BIT 1	Turbo Pana Current Keyboard Layout	Status 0=JP, 1=Non-JP		\$38 \$39	( 056 ) ( 057 )	Unlock Mapper Toggle Lock MegaSD Toggle
		BIT 2	CMT (Cassette Magnetic Tape)	Status		\$3A	( 058 )	Unlock MegaSD Toggle
		BIT 3	Lights Mode Red Mode (Led 0)	0=Auto, 1=ON Status		\$3B \$3C	( 059 ) ( 060 )	Lock All Toggles Unlock All Toggles (default)
		BIT 5 BIT 6	Last Reset Flag Reset Required Flag	0=Cold, 1=Warm Status		\$3D \$3E	( 061 ) ( 062 )	Set Pseudo-Stereo OFF (default) Set Pseudo-Stereo ON (requires an external sound cartridge)
		BIT 7	MegaSD Blink	Status		\$3F	( 063 )	Sync External Bus Clock to CPU Speed (default)
\$49	( read only )	BIT 0 BIT 1	Pseudo Stereo External Clock Mode	Status 0=Sync to CPU, 1=3.58Mhz		\$40 <b>\$41</b>	( 064 ) ( 065 )	Set External Bus Clock 3.58MHz Set Turbo Pana 5.37MHz
		BIT 2	External clock Wode	BIT 0 (LSB)		\$42	( 066 )	Set Right Inverse Audio OFF (default)
		BIT 3 BIT 4	Machine Type ID	BIT 1 BIT 2		\$43 	( 067 ) 	Set Right Inverse Audio ON
		BIT 5		BIT 3 (MSB)		\$80	( 128 )	Null Command (useful for programming)
		BIT 6 BIT 7	NTSC/PAL Type Forced Video Mode	0=Forced, 1=Auto 0=60Hz (NTSC), 1=50Hz (PAL)		 \$B0 \$B7	 ( 176 183 )	Set Master Volume 0 7 (max is default)
		BIT 0	Right Inverse Audio	Status		\$B8 \$BF	( 184 191 )	Set PSG Volume 0 7 (max is default)
\$4A	( read only )	BIT 1 BIT 2	Free	\$FF (Null)		\$C0 \$C7 \$C8 \$CF	( 192 199 ) ( 200 207 )	Set SCC-I Volume 0 7 (max is default) Set OPLL Volume 0 7 (max is default)
		BIT 3 - 7				\$D0 \$D1	( 208 ) ( 209 )	Force NTSC Mode Standard NTSC/PAL Mode (bound by R#9) (default)
\$4B	( read only )	BIT 1	Free	\$FF (Null)		\$D2	(210)	Force PAL Mode
<b>γ</b> -τυ	( Todd Offiy )	BIT 2 BIT 3 - 7	1100	T (1. 2011)		\$D3 \$D4	( 211 ) ( 212 )	Restore Default Keyboard Layout only Null Command (reserved)
		BIT 0	CPU Clock	Hard DIP-SW1		\$D5	(213)	Restore Default Turbo Mode only
\$4C	( read only )	BIT 1 BIT 2	Video Output (MSB) Video Output (LSB)	Hard DIP-SW2 Hard DIP-SW3		 \$FA	 ( 250 )	Prepare System Logo ON (warm reset only)
		BIT 3	Cartridge Slot-1	Hard DIP-SW4		\$FB	(251)	Cold Reset
	,, ,	BIT 4 BIT 5	Cartridge Slot-2 (MSB) Cartridge Slot-2 (LSB)	Hard DIP-SW5 Hard DIP-SW6		\$FC \$FD	( 252 ) ( 253 )	Warm Reset w/ Mapper 2048kB Warm Reset
		BIT 6	Internal Mapper	Hard DIP-SW7		\$FE	( 254 )	Warm Reset w/ Mapper 4096kB Restore All Default + Prepare Mapper & MegaSD
\$4D	( read / write_n )	BIT 7	T 0 T 1 64kB VRAM Slot ID (Page 0) T 2	Hard DIP-SW8 BIT 0 (LSB)		\$FF	( 255 )	restore All Delaule + Frepare Ividpher & Iviegasu
		BIT 1 BIT 2		BIT 1 BIT 2				I/O Reserved to IPL-ROM
		BIT 3		BIT 3 (MSB)		\$4E	( write_n only)	BIT 0 - 6 Free \$FF (Null)
		BIT 4 BIT 5	64kB VRAM Slot ID (Page 1)	BIT 0 (LSB) BIT 1				BIT         7         JIS2 Enabler         0=JIS1+JIS2, 1=JIS1 only           BIT 0 - 6         Free         \$FF (Null)
		BIT 6		BIT 2		\$4F	( write_n only)	BIT 7 F4 Device Mode 0=Normal, 1=Inverted
\$4E	( read only )	BIT 7	OCM-PLD version X.Y(.Z) (main range 0.0 - 25.5)	BIT 3 (MSB) BIT 0 (LSB)				
		BIT 1		BIT 1		More in	to at MSX Assembly P	rage! < http://map.grauw.nl/resources/msx_io_ports.php#switch_io >
		BIT 2 BIT 3		BIT 2 BIT 3		R/W Logic	Docitive	0 = OFF (road (write))
		BIT 4		BIT 4			Positive	1 = ON (read / write )
		BIT 5 BIT 6		BIT 5 BIT 6			Negative	0 = ON 1 = OFF (read_n / write_n )
		BIT 7		BIT 7 (MSB)			CPU Clock	[F12] or [DIP-SW1]
\$4F	( read only )	BIT 0 BIT 1	1	BIT 0 (LSB) BIT 1		Toggles	Video Output	[(SHIFT+)PRNSCR] or [DIP-SW2/3]
		BIT 2 BIT 3		BIT 2 BIT 3			Audio Mixer & CN Cartridge Slot-1	*, , ,
		BIT 4		BIT 4 (MSB)			Cartridge Slot-2	[SHIFT+SCRLCK] or [DIP-SW5/6]
		BIT 5 BIT 6		BIT 0 (LSB) BIT 1 (MSB)			System Reset Internal Mapper	[HARD RESET KEY] Fast or Long-Click (normal or full reboot) r [DIP-SW7] only
		BIT 7		Status			Internal MegaSD	