

Family	Description	Opcode	Parameters																					
TERMINAL	NO OP	0											NONE	SEND BYTE		RCV BYTE								
	VGA ANSI TERM OUT SINGLE CHAR	1 BYTE											Bytes are Little Endian											
	VGA ANSI TERM OUT NULL TERMINATED STRING	2 BYTE	BYTE	BYTE	BYTE	BYTE	BYTE	...	...	...	...	NULL												
	KEYBOARD IN SINGLE BYTE	3 INBYTE																						
SERIAL	Chars in Keyboard Buffer	4 INBYTE																						
	Set display cursor	5 BYTE	(0=off, 1=on)																					
	Set Baud Rate	6 BYTE	BYTE	BYTE																				
	Set Serial Mode	7 BYTE	(8n1=0,8e1=1,8o1=2,7n1=3,7e1=4,7o1=5)																					
	Serial TX Single char	8 BYTE																						
	Serial TX Null Terminated String	9 BYTE	BYTE	BYTE	BYTE	BYTE	BYTE	...	...	...	...	NULL												
AUDIO	Serial RX	10 INBYTE																						
	Chars in Serial Buffer	11 INBYTE																						
	Play Null Terminated String	12 BYTE	BYTE	BYTE	BYTE	BYTE	BYTE	...	...	...	...	NULL												
	Play Sound	13 attack	attack	attack	decay	decay	decay	decay	Sustain	Sustain	Release	Release	Release	Release	WaveType	Volume	Volume	Duration	Duration	FreqStart	FreqStart	FreqEnd	FreqEnd	ModFreqMode
	Set Volume	14 Volume																						
	Set resolution	15 BYTE	(see video resolutions tab)																					
ESPO	Load Font	16 BYTE	(See Fonts tab)																					
	Clear	17																						
	copyRect	18 source x	source x	source y	source y	dest x	dest x	dest y	dest y	width	width	height	height											
	drawBitmap	19 x	x	y	y	byte	byte	byte	...	...	byte	null												
	drawChar	20 x	x	y	y	char																		
	drawEllipse	21 x	x	y	y	width	width	height	height															
	drawGlyph	22 x	x	y	y	width	width	height	height	byte	byte	byte	...	...	byte	null	index	index						
	drawLine	23 x	x	y	y	end x	end x	end y	end y															
	drawRectangle	24 x	x	y	y	end x	end x	end y	end y															
	fillEllipse	25 x	x	y	y	width	width	height	height															
	fillRectangle	26 x	x	y	y	end x	end x	end y	end y															
	getPixel	27 x	x	y	y	B	G	R																
	invertRectangle	28 x	x	y	y	end x	end x	end y	end y															
	GRAPHICS	lineTo	29 x	x	y	y																		
		moveTo	30 x	x	y	y																		
		scroll	31 x	x	y	y																		
setBrushColor		32 Color																						
setLineEnds		33 LineEnds																						
setPenColor		34 Color																						
setPenWidth		35 Width																						
setPixel		36 x	x	y	y																			
DISCOVER		255 "E"	"S"	"P"	"3"	"2"																		