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## PicoMiteVGA - Бейсик компьютер

PicoMiteVGA - прошивка для Мурмулятора, представляющая собой автономную систему для разработки на языке MMBasic с VGA видеовыходом на монитор, PS/2 клавиатурой, дисковой подсистемой на встроенном накопителе и внешней SD карте, звуком и другими интересностями.

Автор адаптации проекта под железо Мурмулятора - [JAVAVIUA](#)

Страничка проекта - [PicoMiteVGA](#)

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## PicoMiteVGA Ver 5.08

New functionality:

INSTR([start],text\$, search\$ [,size])

LIINSTR(text%(),search\$ [,start] [,size]

PIO DMA TX now accepts 0 for the number of conversions when using a ringbuffer for continuous output

PIO DMA RX now accepts 0 for the number of conversions when using a ringbuffer for continuous input

ADC RUN array1%(),array2%()

OPTION MODBUFF ENABLE/DISABLE [sizeinK]

PLAY MODFILE fname\$

PLAY MODSAMPLE sampleno, channelno [,volume]

WATCHDOG HW OFF

WATCHDOG HW nmSec

BITBANG WS2812 W, pin, nbr, value%[()]

BLIT WRITE [#]b, x, y [,mode]

MM.INFO(ADC DMA)

MATH WINDOW in(),min, max,out()

/\* and \*/ commands for multiline comments

BLIT MEMORY address%, x, y[,col] - if the top bit in the word at address is set then the sprite will be processed as a compressed image

BLIT COMPRESSED address%, x, y[,col]

BLIT FRAMEBUFFER F/L/N, F/L/N, xfrom, yfrom, xto, yto, width, height [,col]

EDIT fname\$

Support for 8-bit parallel ILI9341 display OPTION LCDPANEL ILI9341\_8,orientation%

[,backlightpin]

MM.INFO(FLASH ADDRESS n) - returns the address of the flash slot n

LIBRARY DISK SAVE fname\$ - saves the contents of the library to disk, only saves used locations

LIBRARY DISK LOAD fname\$ - restores the contents of the library from disk

FLASH DISK LOAD n, fname\$ [,O[VERWRITE]] - copies a file into flash slot n as a binary transfer

FRAMEBUFFER COPY from, to [,B] - if B is specified the copy is done using the second CPU and the command returns immediately to the Basic program (PicoMite only)

OPTION PICO ON/OFF - When set to OFF pins GP23, GP24 and GP29 are not set up and are immediately available to use.

PLAY MODFILE fname\$ [,int] - If the optional interrupt parameter is set it will be called when the modfile has played through a single loop and playback will be terminated.

If not set the modfile will play on a loop as before

OPTION AUTORUN n/ON [,NORESET] - if NORESET is set then the autorun option will not be removed in the event of system errors. Use with care as you will need to nuke the Pico to fix a repeated error

FRAMEBUFFER MERGE - overlays the Layer buffer onto the LCD display omitting all black pixels.

BACKLIGHT level [,DEFAULT] - if default is specified this value will be set automatically on power up

BITBANG CAMERA command

PEEK(CFUNADDR ..) now optionally takes a variable or string literal

Full support for VS1053 sound

MATH C\_ADD/CMUL/C\_DIV/C\_SUB cell by cell simple math on identical arrays

LINE PLOT command for drawing simple graphs

ADC START enhancements

MATH(CROSSING array() [,level] [,direction]

BLIT MERGE colour,x,y,w,h

OPTION DISK SAVE fname\$

OPTION DISK LOAD fname\$

MEMORY PRINT fnbr, nbr, address%/array%()

MEMORY INPUT fnbr, nbr, address%/array%()

MATH SHIFT inarray%(), nbr, outarray%()

DEVICE WII OPEN [,interrupt]

DEVICE WII CLOSE

DEVICE(WII LX/LY/RX/R/Y/L/R/B/T)

OPTION PLATFORM name\$

? mm.info\$(platform)

MATH V\_ROTATE xcentre, ycentre, angle, xin(), yin(), xout(), yout()

LINE GRAPH x(), y(), colour

FRAMEBUFFER OFFSET x, y [,B]

PicoMiteVGA Ver 5.08.00.B5

DRAW3D command added to the PicoMite as per the PicoMiteVGA

Fixed bug in READ command after SPRITE command in PicoMiteVGA

Another major rework of WebMite to try and improve stability

Релиз кандидат

PicoMiteVGA Ver 5.07.08RC15

MMBasic для Мурмулятора

Добавлена поддержка:

OV7670 модуля камеры

VS1053 модуля воспроизведения музыки

( GM MIDI, MP3, OGG, WMA, AAC ).New functionality:

INSTR([start],text\$, search\$ [,size])

LIINSTR(text%(),search\$ [,start] [,size]

PIO DMA TX

PIO DMA RX

ADC RUN array1%(),array2%()

OPTION MODBUFF ENABLE/DISABLE [sizeinK]

PLAY MODFILE fname\$

PLAY MODSAMPLE sampleno, channelno [,volume]

WATCHDOG HW OFF

WATCHDOG HW nmSec

BITBANG WS2812 W, pin, nbr, value%[0]

OPTION WEB MESSAGES ON/OFF

Implements interlock to stop other ADC use while ADC DMA is running.

BLIT WRITE [#]b, x, y [,mode]

MM.INFO(ADC DMA)

MATH WINDOW in(),min, max, out(),[minfound, maxfound]

/\* and \*/ commands for multiline comments

BLIT MEMORY address%, x, y[,col]

BLIT COMPRESSED address%, x, y[,col]

BLIT FRAMEBUFFER F/L/N, F/L/N, xfrom, yfrom, xto, yto, width, height [,col]

EDIT fname\$





Сделяль melovanovi4



Made on  Tilda