DO: LINK / DIGG! / MAKE!   Recommend 0

Search

fig-forth 1.1g for Z80

Featured on the Hackaday SuperConference badge computer under the menu option 2. Z80 CPM. FORTH is on the B drive, but it is missing the screen files and so there is no effective way to edit or save new words. After some searching, the files appear to have been found at:
http://www.ep128.hu/Ep_Util/Ep_Util_eng.htm

Screens:

- STARTUP.FRT
- SCREENS.FRT (version 2)
- SCREENS.FRT (older version?)

To load the screen files onto the badge, follow the directions at:
https://hackaday.io/project/161859-2018-hackaday-superconference-badge/log/154556-serial-communications-with-badge

Connect a USB to serial converter to the badge pins: C13 to TX, C14 to RX. Connect ground but not power. Assuming your favorite serial terminal program supports XMODEM, set it to 19200 N 8 1 and configure a LF after CR. Reset the badge (hold both shifts, press RESET) then switch to serial terminal mode (hold both shifts, press BRK/COL). Select option 2 (press Enter or Ctrl+Enter). At the command prompt, enter

```
xmdm r D:FILENAME.EXT
```

where FILENAME.EXT is the name of the file you are transferring. From the PC, start the transfer.

Once the files are there, enter

```
B:
FORTH D:STARTUP.FRT
```

Note: You can NOT switch back and forth from the serial to local console, so you must complete the file transfers in one session. If you power off, you have to reset and start over.

To exit FORTH back to CP/M, the command is BYE

Manual: fig-Forth step by step (1990) Translated from Hungarian via Google, and with a few notes and corrections.

Source:

- Z80FORTH.ASM
- DISCIO.ASM
- CONPRTIO.ASM

P! and P@ words do port IO via the OUT and IMP instructions. Search the .ASM file for ";P@" to find the code. There is also a note: "The port I/O words P@ & P! have been made ROMable by use of Z80 instructions." However, the Z80 Emulator on the badge does NOT support IO to the onboard devices other than the keyboard / screen, serial console, and drives. A feature request with link to the source has been raised: https://github.com/Hack-a-Day/2018-Supercon-Badge/issues/24

Questions:

- > P! and P@ words do port IO via the OUT and IMP instructions.

  IMP?+

See also:

- **Shop Related Products**

  1. Embedded Computing: A VLIW Approach to Architecture, Compilers and Tools $70.70
  2. Embedded Computing and Mechatronics with the PIC32 Microcontroller $69.92
  3. Rugged Embedded Systems: Computing in Harsh Environments $90.67
  4. Embedded Computing Systems: Applications, Optimization, and Advanced Design $199.68

  Ads by Amazon

- http://www.cpm.z80.de/binary.htm Binary file also cashed here:+

---

file: /Techref/language/FORTH/z80fig-Forth1_1g.htm, NaNKB (3 imgs) in 0.299s is NaNKBps, updated: 2020/5/29 20:20, local time: 2020/7/28 06:20,

---

```
<A HREF="http://www.piclist.com/techref/language/FORTH/z80fig-Forth1_1g.htm"> z80 fig-Forth1.1g</A>
```

After you find an appropriate page, you are invited to [Post] your

| question |
| comment |
| link |
| preformatted text |

to this *massmind* site! (posts will be visible only to you before review) Just type in the box and press the Post button. (HTML welcomed, but not the <A tag: Instead, use the link box to link to another page. A tutorial is available Members can login to post directly, become page editors, and be credited for their posts.

B *I* u ⁝ ᴬᴮᶜ ▼
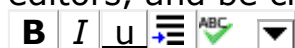
Link? Put it here: [   ]

if you want a response, please enter your email address:

[   ] [Post]

Attn spammers: All posts are reviewed before being made visible to anyone other than the poster.

 Did you find what you needed? From: "*/language/forths.htm*"

- *"Not quite. Look for more pages like this one."*
- *"No. I'm looking for:* [   ] [Fetch] *"*
- *"No. Take me to the search page."*
- *"No. Take me to the top so I can drill down by catagory"*
- *"No. I'm willing to pay for help, please refer me to a qualified consultant"*
- *"No. But I'm interested.* [Email] *me at* [   ] *when this page is expanded."*

HALL OF FAME!
Support the PICList by honoring its finest.

Quick, <u>Easy</u> *and* CHEAP! RCL-1 RS232 Level Converter in a DB9 backshell

Ashley Roll has put together a really nice little unit here. Leave off the MAX232 and keep these handy for the few times you need true RS232!

.