

**NAME**

as6502, as65c00, asr65c00 – cross assemblers for microcomputers

**SYNOPSIS**

```
as6502 [-p cpu] [-l listfile] [-o hexfile] [-d] [-s symbolfile] input
as65c00 [-p cpu] [-l listfile] [-o hexfile] [-d] [-s symbolfile] input
asr65c00 [-p cpu] [-l listfile] [-o hexfile] [-d] [-s symbolfile] input
```

**DESCRIPTION**

The as6502, as65c00, asr65c00 command assembles the input file into a text output file representing the program memory for a microcomputer.

**Options**

-p cpu Override the instruction set selection.

Valid Values for Cpu

65, 65c, r65, r65c, 21

-l listfile

Output a file formatted with the memory address, data, and source input lines.

-o hexfile

Output the memory data image in a form accepted by most prom programmers.

-h hexfile

Same as -o.

-d

Save the intermediate data file (see FILE) and abort the execution at the end of processing.

-s symbolfile

Print the symbol table values and names, one per line in the specified file.

**FILES**

/usr/tmp/frtXXXXXX

**SEE ALSO**

Frankenstein Cross Assemblers Users Manual (file base.doc) Appendix for as6502 Frankenstein Assembler (file as6502.doc)

**NOTES**

There is only one input file.

The program can select which subset of instructions is accepted. The program first uses the name with which it is invoked. This is scanned for a substring which indicates which set to use. The -p options overrides this selection by performing the same substring search. Finally the input file can select which subset to use with the CPU statement.

There should only be one executable file with all of its names linked to it.