

SDCC

Small Device C Compiler one can find useful for some 1byte devices (stm8S/AF/L/AL/T microcontrollers).

1) install packages:

```
#sudo aptitude install subversion rxvt flex bison automake ccache libboost-dev
```

2) get latest repo:

```
#svn checkout svn://svn.code.sf.net/p/sdcc/code/trunk/sdcc sdcc && cd sdcc
```

3) install SDCC (v.3.7 unstable pic uarch as for 09.2018y.):

```
#./configure --disable-pic14-port --disable-pic16-port
```

```
#sudo make -j`nproc` && sudo make install
```

4) generate some test example and compile it:

```
#vim main.c
```

```
void main( void )  
{    while( 1 );  
}
```

```
#sdcc -mstm8 -pipe --disable-warning 244 --std-c11 main.c
```

```
#packihx main.ihx > main.hex
```