

STRIVUINO Programmer

Compiler Binding

Hex Viewer

Secure Programming

Full Chip Erase

Help

Programmer

```
#include <stdio.h>

int main() {
    int result;

    asm volatile (
        "kc %[res], %[imm]\n\t"
        : [res] "=r" (result) // Output operand
        : [imm] "i" (0x12345) // Immediate operand (use "i" for constants)
    );
    return 0;
}
```

Console

```
Compilation successful!
Generate hex from elf successful!
```

ST Link Configuration:

Serial number :

12345

Port :

COM1

Frequency (kHz) :

1000

Mode :

Model

Reset mode :

Mode A

Firmware version :

1.0

Not Connected!

Connect

Compile

Program

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Device Memory:

Address:

0x00000000

Size:

48-word

Data width:

32-bit

Browse

Log

```
130101FE
232E1100
232C8100
13040102
8B573412
2326F4FE
93070000
13850700
8320C101
03248101
13010102
67800000
```

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Com port:

COM1

Immediate value:

0xff

Send / Receive

Log

[illegible]

Received: 0a10310001cf0c112c10100110

```
Same key received successfully!  
Sent b'0071c01310b131b0011e810091' in response.  
Sent Immediate value 0xff.
```

ST Link Configuration:

Serial number :

12345

Port :

COM1

Frequency (kHz) :

1000

Mode :

Model

Reset mode :

Mode A

Firmware version :

1.0

Not Connected!

Connect

Compiler Binding

Com port:

COM1

Immediate value:

0xff

Send / Receive

Log

[illegible]

Enable Debugger



Debugger is enabled now.

OK

ST Link Configuration:

Serial number :

12345

Port :

COM1

Frequency (kHz) :

1000

Mode :

Model

Reset mode :

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1.0

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    );
    return 0;
}
```

Console

```
Compilation successful!
Generate hex from elf successful!
```

ST Link Configuration:

Serial number :

12345

Port :

COM1

Frequency (kHz) :

1000

Mode :

Mode3

Reset mode :

Mode C

Firmware version :

1.0

Connected Successfully!

Connect



RV-GEN2 (CA&E) waiting for gdb connection.....

Info : Listening on port 6666 for tcl connections

Info : Listening on port 4444 for telnet connections

Connecting to localhost:4444...

Info : accepting 'telnet' connection on tcp/4444

Initial Output from Telnet:

Open On-Chip Debugger

>

Sending command: load_image C:/Users/office/Downloads/Programmer/PythonProject/firmware.elf

load_image C:/Users/office/Downloads/Programmer/PythonProject/firmware.elf

Sending command: reset halt

14776 bytes written at address 0x00000000

downloaded 14776 bytes in 3.697662s (3.902 KiB/s)

>

Sending command: resume

Info : JTAG tap: riscv.cpu tap/device found: 0x00000001 (mfg: 0x000 (<invalid>), part: 0x0000, ver: 0x0)

reset halt

JTAG tap: riscv.cpu tap/device found: 0x00000001 (mfg: 0x000 (<invalid>), part: 0x0000, ver: 0x0)

>

Telnet session still open. You can manually close it.



```
*      |-----|      |__|      |__|      |-----|      *  
  
*****  
  
|      ***** RISC-V Processor RV-6EM2 (CA&E) ***** |  
|      ****          Processor Halted          ****    |  
-----
```

Services Alt+8

```
CA&E) waiting for gdb connection.....
```

```
Info : Listening on port 6666 for tcl connections
```

```
Info : Listening on port 4444 for telnet connections
```