

Interfacing FlashRunner 2.0 with Analog Devices ADUCM



Supported protocols

ADUCM flashing algorithm supports SWD protocol.

#TCSETPAR CMODE <SWD>

Standard Commands

CONNECT

This command is used to connect to the device.

MASSERASE <memory_type>

This command is used to erase the specified memory.

SECTOR_ERASE <memory_type> <start_address> <size>

This command is used to erase a portion of the specified memory.

BLANKCHECK <memory_type> [<start_address> <size>]

This command is used to check if the specified memory or a portion of it is blank.

Start address and size are optional parameters.

PROGRAM <memory_type>

This command is used to flash the specified memory with a customer's firmware which fits into this memory.

VERIFY <memory_type> <verify_method>

This command is used to compare the content of the memory with a customer's firmware.

R – Readout method: compares the content bit by bit.

S – Checksum method: compares the checksum of the source file with the checksum of the memory content.

READ <memory_type> <start_address> <size>

This command is used to read the specified memory or a portion of it and print it out in the GUI terminal.

DUMP <memory_type> <start_address> <size>

This command is used to read the specified memory or a portion of it and save it into a binary file stored inside the programming system SD-CARD.

DISCONNECT

This command is used to disconnect from the device.

Memories

1. [F] – Flash
2. [D] – DataFlash

ADUCM34x/33x family commands

Commands supported:

#TPCMD [CONNECT](#)

#TPCMD [MASSERASE F|D](#)

#TPCMD [SECTOR_ERASE F|D](#) <start address> <size>

#TPCMD [BLANKCHECK F|D](#) [<start address> <size>]

#TPCMD [PROGRAM F|D](#)

#TPCMD [VERIFY F|D R|S](#)

#TPCMD [READ F|D](#) [<start address> <size>]

#TPCMD [DUMP F|D](#) [<start address> <size>]

#TPCMD [DISCONNECT](#)