

MIPI Controller V3 Manual

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Install Driver

Connect the USB port of the MIPI controller to the PC, right click the 'sct_scout.inf' file to install driver.

✓ Sct_scout.inf

If the driver is successfully installed, the USB Com port information of MIPI controller will be displayed as below.

SC4415 Scout (COM12)

The operation interface of MIPI Controller software

Double click 🔰 MIPI Controller V3.exe

Open the MIPI controller V3.exe.

- The operation interface of the MIPI controller software is shown on the right:
- The red box is the controller port information configuration area.
- The yellow box is the controller initial and mode configuration area.
- The blue box is used to read the ID information of the device under test.
- The green box is the MIPI command R/W area.

The purple box is the log data area. www.SmarterMicro.com



Connect the MIPI Controller

Config the information of MIPI controller Serial port as the device manager of PC shown. Click 'Connect' button, if the indicator changes from red to green, the MIPI controller is successfully connected.

SmarterMicroMIPI3 –	S Smarter/MicroMIPI3	- 🗆 ×
Serial Port MIPI A* Serial Port B DataBits DataBits 1 StopBits None Parity OPEN Imit OPEN Imit Write Read Write Read Void Imit StopBits Imit None Parity Imit Set Clock Imit Set Clock	MIT R/* Serial Port 9000 BaudKate 8 DataBits 1 StopDits None Parity 0FEN 0FEN <t< th=""><th>Thit Set Clook 10000 ClearBuffer STRING MODE USID_ADDR_DATA RW USID ADDR DATA TDD or FDD TDD G TDDGG TDDLTE FDD TDD Delay DELAY1: DELAY2: ClearMIFI</th></t<>	Thit Set Clook 10000 ClearBuffer STRING MODE USID_ADDR_DATA RW USID ADDR DATA TDD or FDD TDD G TDDGG TDDLTE FDD TDD Delay DELAY1: DELAY2: ClearMIFI

Initialize the MIPI Controller

Click the 'Init' button, the MIPI controller will be initialized.

The default clock frequency is 10MHz.

SmarterMicroMIPI3		- D >
Gerial Port	MIPI R/W MIPI1 MIPI2	Init
9600 V BaudRate		Set Clock
1 V StopBits		10000
NOULS I ALLEY	~ ·	ClearBuffer STRING MODE USID_ADDR_DATA
Disconnect Refresh Port	Write Read Write Read Log Data	RW USID ADDR DATA TDD or FDD TDDEC
ead pid	->mode 1 vio 2 clock 10000 Mode : RFFE VIO : 0 (External)	O TDDLTE O FDD TDD Delay
ReadPID	Type 'help' for available command list ->->SCLK Frequency: 10000 kHz ->	DELAY1: DELAY2:
た 話 智 微 MARTER MICRO	↓ Save State	ClearMIPI

Config the CLK Frequency of MIPI controller

Fill in the clock frequency parameter, and click the 'Set Clock' button.

SmarterMicroMIPI3			- 🗆 X
Serial Port COM12 V PortName 9600 BaudRate 8 DataBits 1 V StopBits None V Parity	MIFI R/W	MIP12	Init Set Clock 20000 ClearBuffer STRING MODE USID_ADDR_DATA
Disconnect Refresh Port Read pid USID ReadPID ReadPID	Write Read Log Data Sclock 20000 SCLK Frequency: 20000 kHz ->	Write Read Clear Data Save State	ClearMIPI

How to read the ID information of the DUT

Fill in the USID of the DUT(device under test), Click the 'ReadPID' button, the

information of DUT will be shown in the log receiving area.



Fill in the MIPI command in the MIPI command area box, Click 'Write' button, the MIPI command will be sent to the DUT.





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