Release Note

Product	UI-2PV
FW version	V0.91
Release Date	2025-05-14

1. Files Released

File name	SHA256	Remark
ui-2pv.v091.bin	a35f5f4aecc06938003892a4df7f5ce953a766d0ecfba08369e0dba089c904cd	

2. Login Password.

* Connectable HOST IP : 192.168.123.200

Access from	User name	Password	Notes
Web (http only)	root	-	Default MAC(WAN): 00:0C:43:47:D3:27 Default MAC(LAN): 00:0C:43:47:D3:28 Default SN : UI250599999
SSH	root	-	Default IP address(WAN) : 192.168.123.1 Default IP address(LAN) : 192.168.1.1

* Console Info.

ttyS0 : 57600, 8N1

No password

3. Firmware factory mode Default Configuration

Default IP to login :
192.168.123.1
version : 0.9.1
SSH : enable
Default SN : UI250599999
Default MAC : LAN : 00:0C:43:47:D3:28   WAN: 00:0C:43:47:D3:27

4. MAC SERIAL INITIALIZATION.

http://192.168.123.1/cgi-bin/change_mac?interface=wan&mac=00:0c:43:47:d3:27
http://192.168.123.1/cgi-bin/change_serial?serial=UI250599999

You can get the default SN&MAC information through the command. MAC: 00:0C:43:47:D3:27
SN : UI250599999

5. MFG command.

| items	command	Remark
MAC	http://192.168.123.1/cgi-bin/change_mac?interface=wan&mac=00:0c:43:47:d3:27	
MODEL	http://192.168.123.1/cgi-bin/change_model?model=UI-2PV	
SERIAL set	http://192.168.123.1/cgi-bin/change_serial?serial=UI250500001	
System information check	http://192.168.123.1/cgi-bin/luci/admin/status/overview	
LED Test	http://192.168.123.1/cgi-bin/test_led?led=lan&state=on	LAN on/off
	http://192.168.123.1/cgi-bin/test_led?led=wall&state=on	Wall-pad on/off
	http://192.168.123.1/cgi-bin/test_led?led=all&state=on	All on
	http://192.168.123.1/cgi-bin/test_led?led=all&state=off	All off
Reset button RESET & FACTORY	http://192.168.123.1/cgi-bin/test_button?mode=on	Test mode
	http://192.168.123.1/cgi-bin/test_button?mode=off	Normal mode
Watchdog	http://192.168.123.1/cgi-bin/test_wdt?mode=start	30 sec

Power LED.   LAN LED.   Wall-pad LED
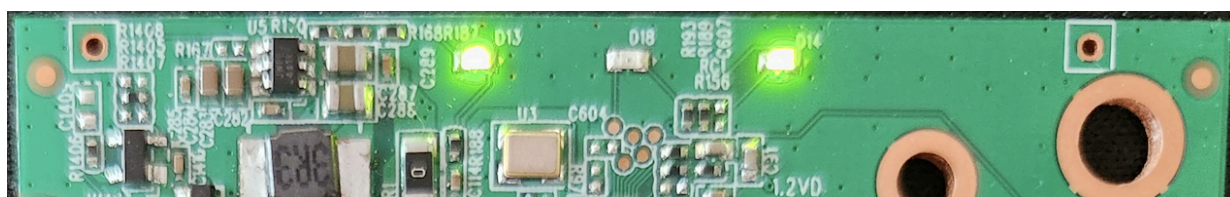
*Power LED always ON

[LED scenario]

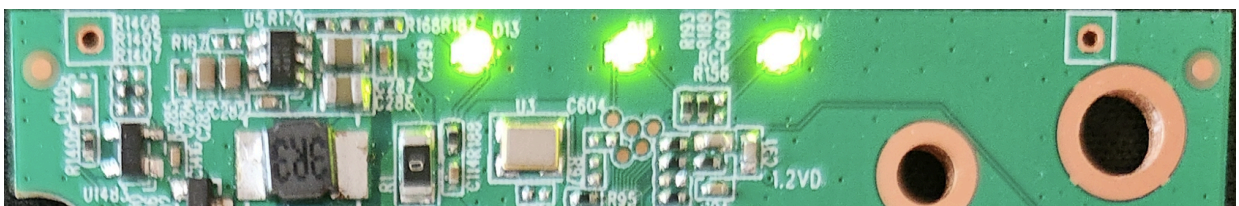http://192.168.123.1/cgi-bin/test_led?led=all&state=off
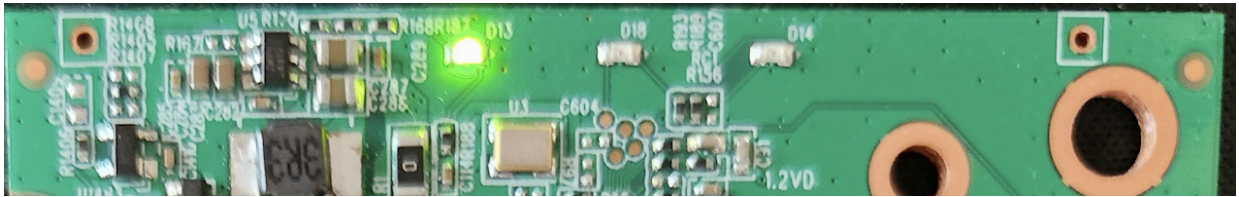
http://192.168.123.1/cgi-bin/test_led?led=lan&state=on
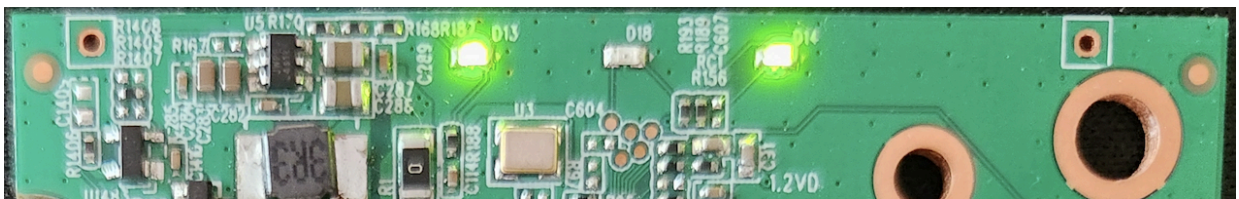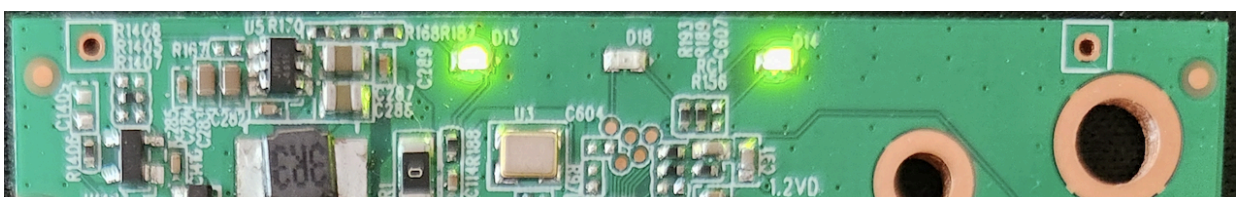

http://192.168.123.1/cgi-bin/test_led?led=lan&state=off

http://192.168.123.1/cgi-bin/test_led?led=all&state=on

http://192.168.123.1/cgi-bin/test_led?led=wall&state=off

[system information screen]
After login …

Status

System

Hostname	UI-2PV
Model	UI-2PV
Architecture	MediaTek MT7628AN ver:1 eco:2
Serial Number	UI250599999
Firmware Version	V0.9.1
Kernel Version	6.6.73
Local Time	2025-05-15 05:07:15
Uptime	0h 2m 11s
Load Average	1.89, 0.78, 0.29
MAC Address	00:0C:43:47:D3:27

http://192.168.123.1/cgi-bin/luci/admin/status/overview

6.   MAC & SN Writing.

http://192.168.123.1/cgi-bin/change_mac?interface=wan&mac=00:0c:43:47:d3:27

Display web page

```
MAC address has been successfully changed: 00:0c:43:47:d3:27 (eth0.2), 00:0c:43:47:d3:28 (eth0.1)
```

7.   MAC Rule [last digit of LAN MAC should be odd number_"1", "3", "5", "7", "9", "B","D","F"]

WAN MAC : 00:0c:43:47:d3:27
LAN MAC : 00:0c:43:47:d3:28 (BASE_MAC+1) writing MAC.

8.   AP WEB UI access.

I.P : http://192.168.123.1
P.W : No password

9.   Button

Display web page
```
Button test mode has been enabled.
Press the reset button to test.
Available events: pressed, timeout, released
Test types:
  normal: Default behavior
  1sec: Simulate 1 second press
  5sec: Simulate 5 second press
```

Push button click

Display console

[TEST MODE] Button pressed event

REBOOT

[TEST MODE] Button released event

[TEST MODE] Button pressed for less than 1 second

Push button long time press(over 5 seconds)

[TEST MODE] Button pressed event

[TEST MODE] Button pressed more 5secs

FACTORY RESET

[TEST MODE] Button released event

[TEST MODE] Button pressed for 5 or more seconds

10. Watchdog

Display web
Watchdog status: {
        "status": "offline",
        "timeout": 30,
        "frequency": 5,
        "magicclose": true
}

Watchdog started successfully

Watchdog is now running.
The system will reboot after 30 seconds.

Display console (over 30 seconds)
root@UI-2PV:~# [259.656810] watchdog: watchdog0: watchdog did not stop!
…
30 seconds
U-Boot SPL 2025.04-rc2 (May 12 2025 - 05:29:19 -0700)
Trying to boot from NOR

U-Boot 2025.04-rc2 (May 12 2025 - 05:29:19 -0700)

CPU: MediaTek MT7628A ver:1 eco:2
Boot: DDR2, SPI-NOR 3-Byte Addr, CPU clock from XTAL

Clock: CPU: 575MHz, Bus: 191MHz, XTAL: 25MHz
Model: MediaTek MT7628 RFB
DRAM: 64 MiB
Core: 51 devices, 12 uclasses, devicetree: separate
Loading Environment from MTD... SF: Detected en25qh128 with page size 256 Bytes, erase size 4 KiB, total 16 MiB
OK
Net: eth0: eth@10110000