

System

Web Camera
+
Microphone
[Lenovo
Essential FHD
Webcam
4XC1B34802]



ESP8266-12F

PAM8403

3W 4ohms x 2

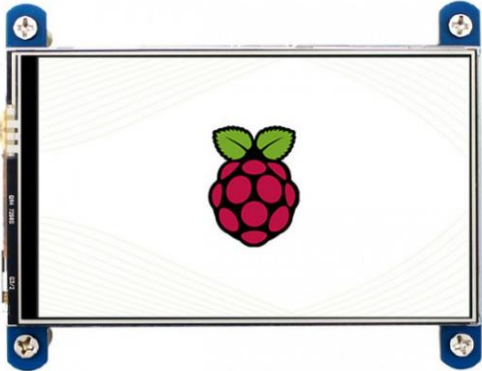
USB



2.4Ghz RF
Mouse

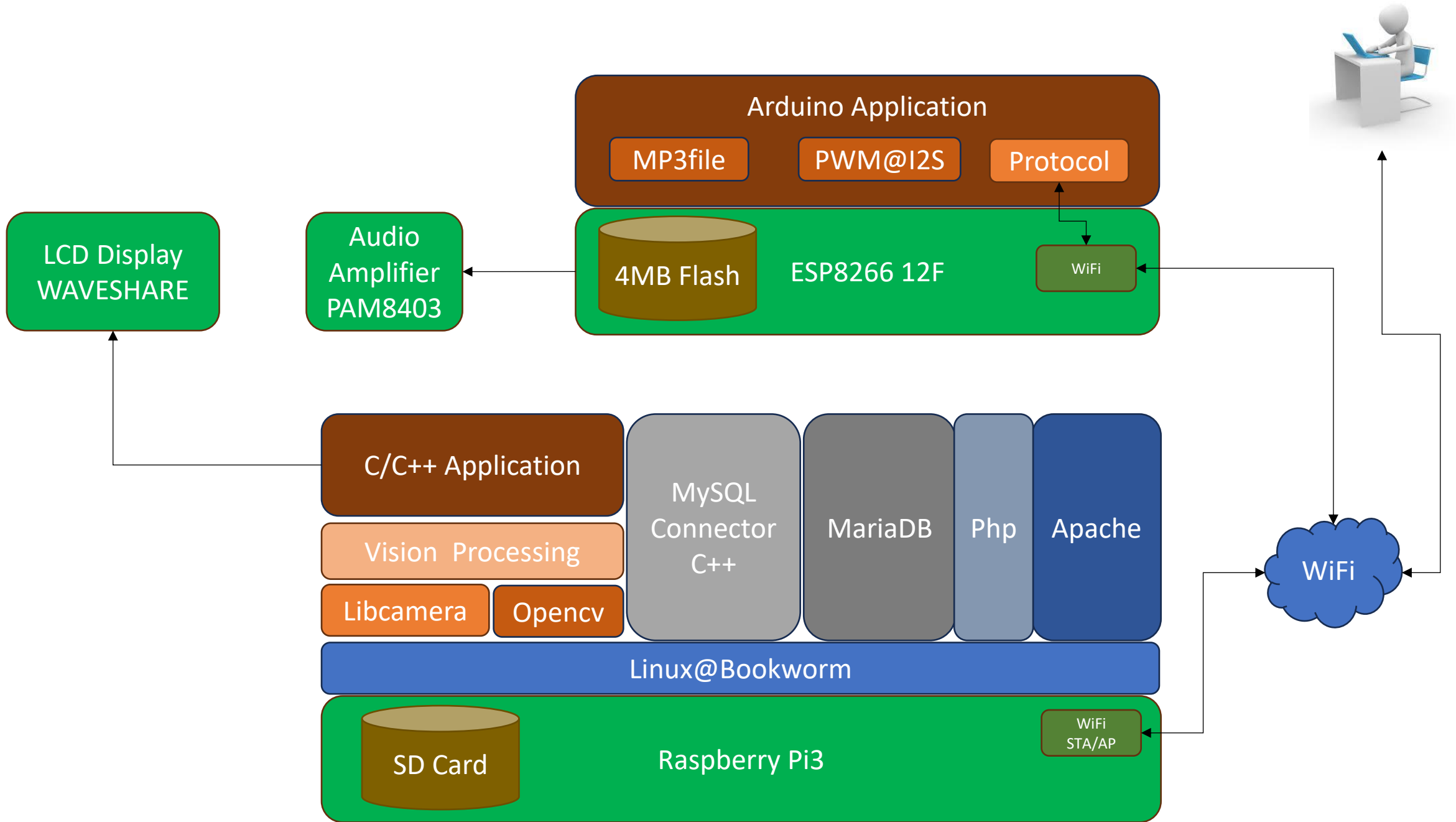
4inch Resistive Touch Screen LCD,
480×800, HDMI, IPS, Low Power
SKU: 12030
Part Number: 4inch HDMI LCD
Brand: Waveshare

HDMI
GPIO

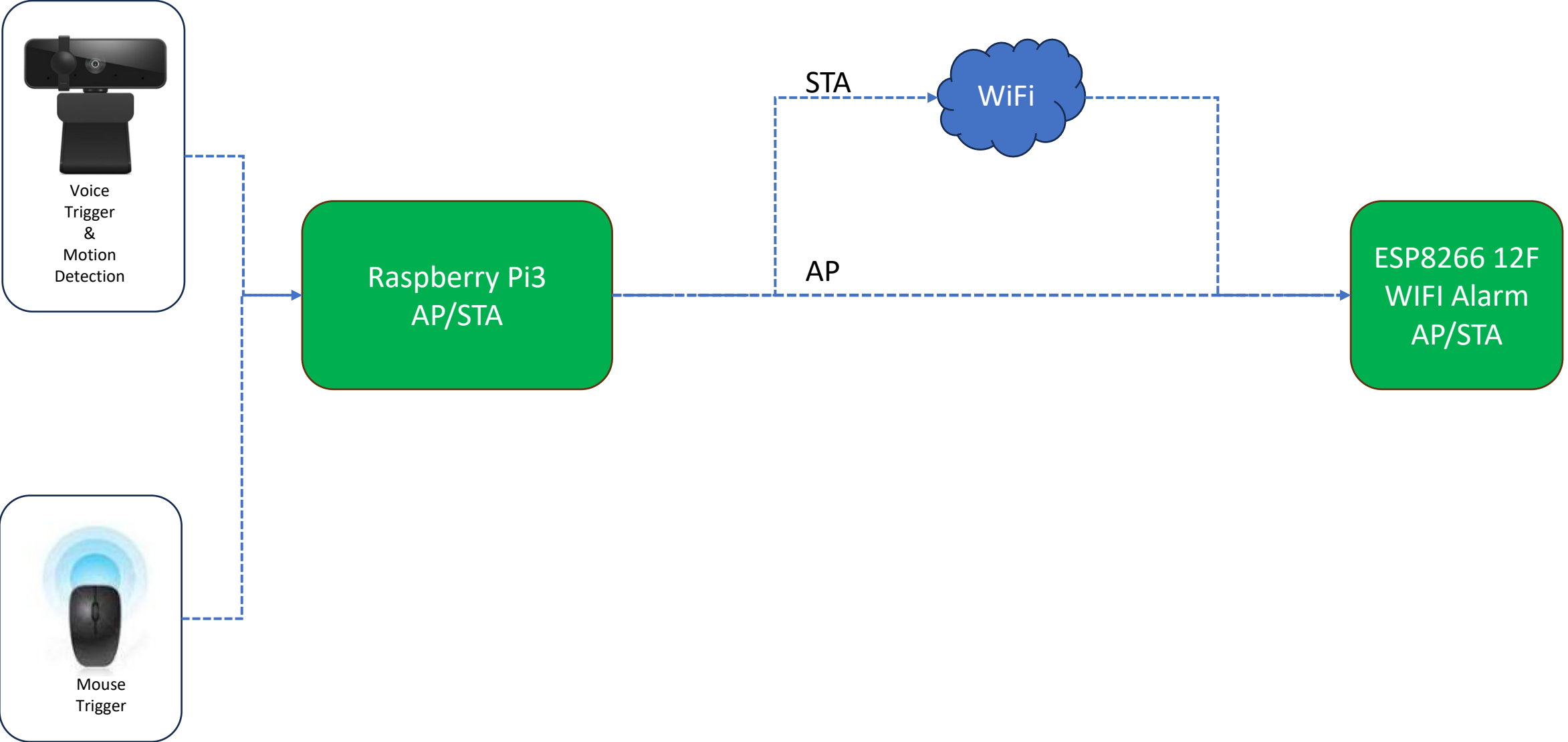


5V 2A

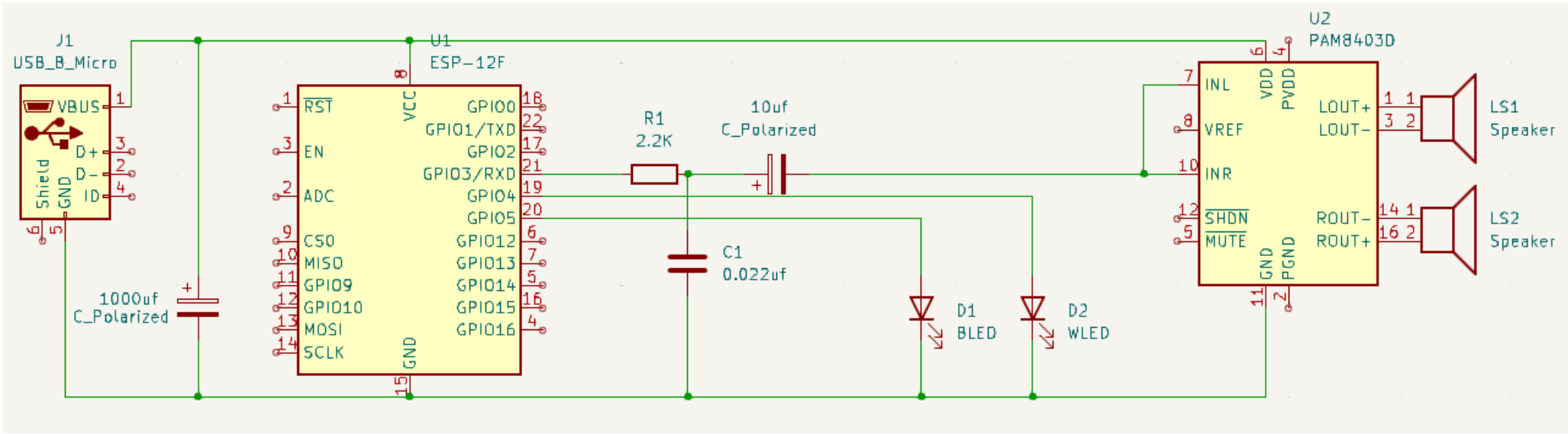
System

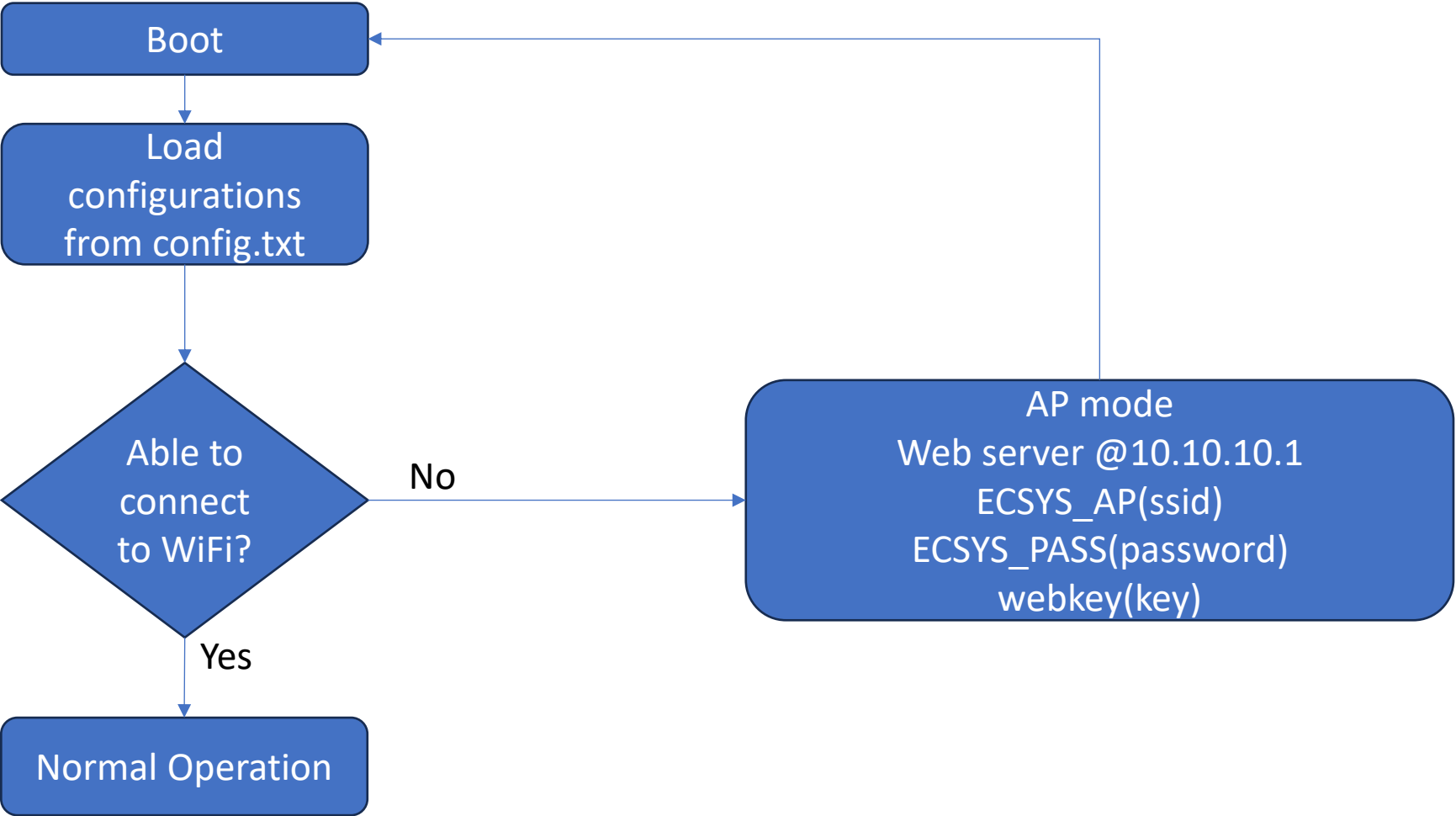


Solution



ESP 8266 -12F





On Boot

LED Colour = ON
LED White = ON

On Attempt to Connect to WiFi

Both LED's will
Blink in Sync

____WiFi_SSID:

WiFi_PASSWORD:

____KEY:

AP Mode
Both LED's will blink
in Alternative

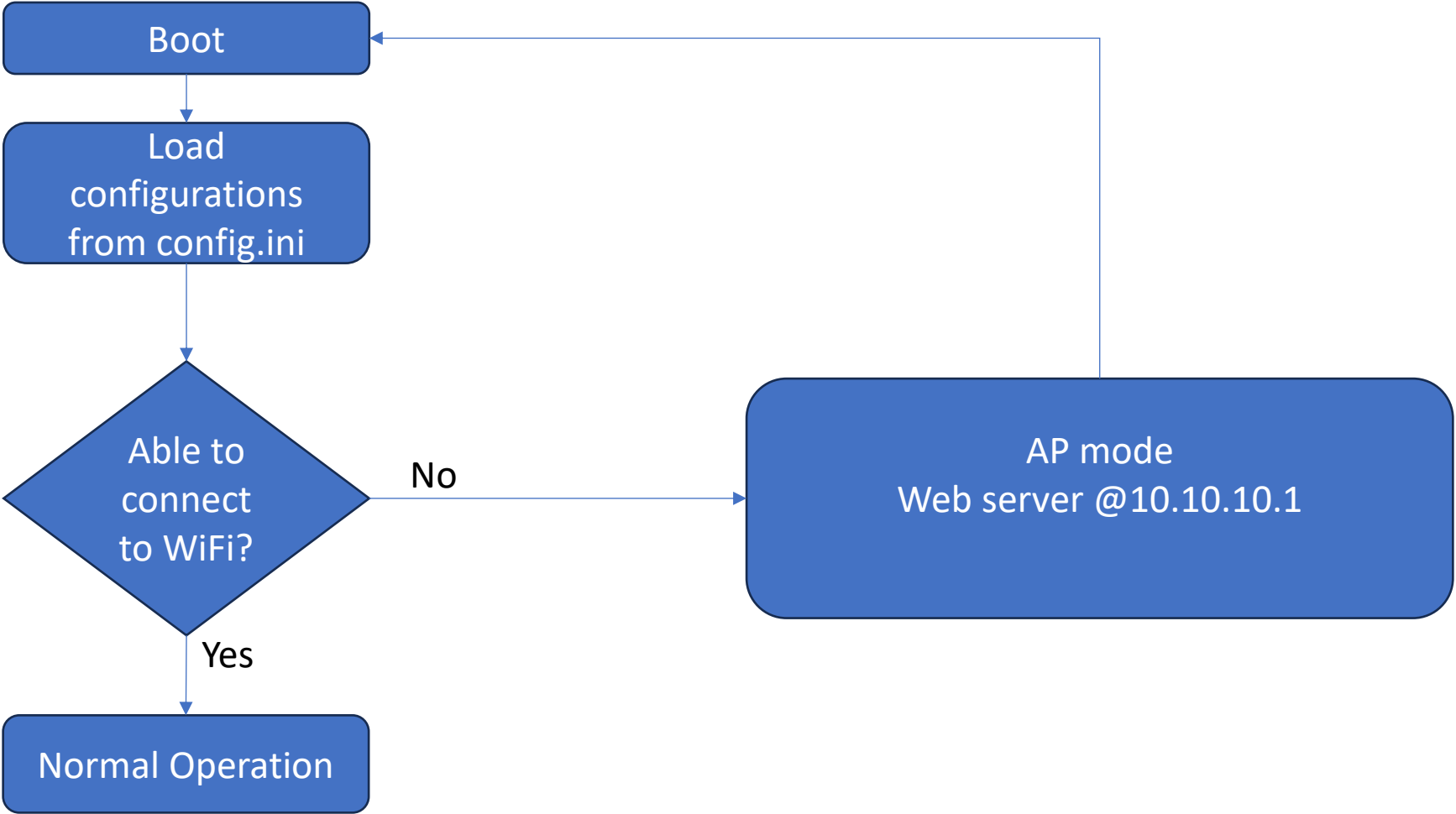
No

Able to
connect
to WiFi?

Yes

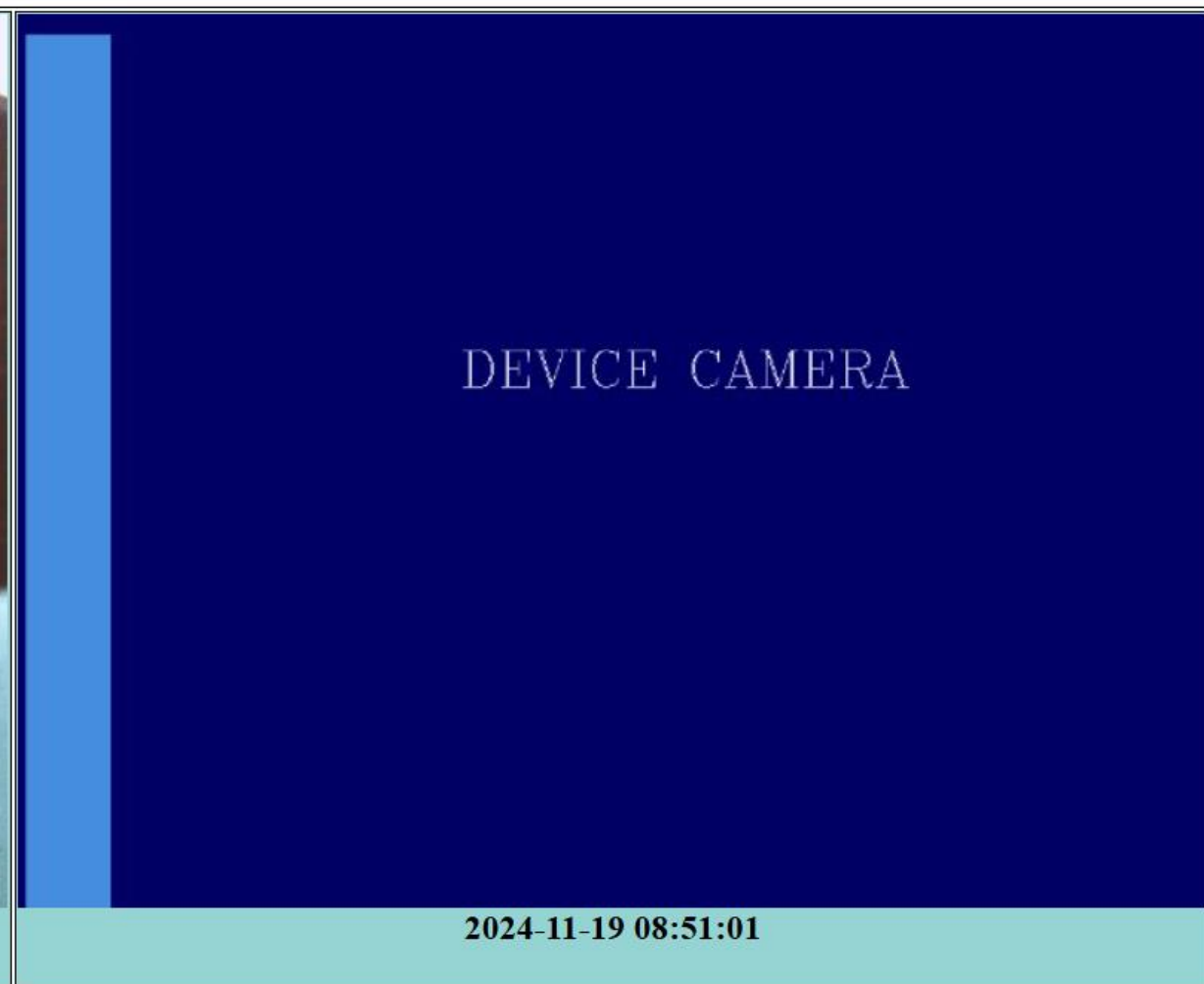
LED White = OFF
LED Colour =
BLINK upon
receiving KEEP
ALIVE packets

When WiFi Alarm unable to connect to preconfigured Wifi LAN network it will enter into AP mode. In this mode user can connect using default username and password and enter credentials for new available WiFi network

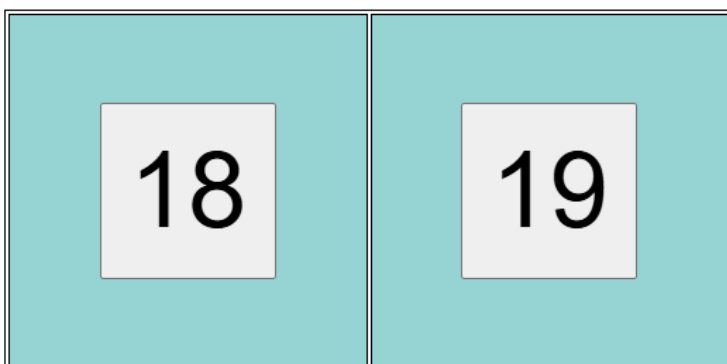
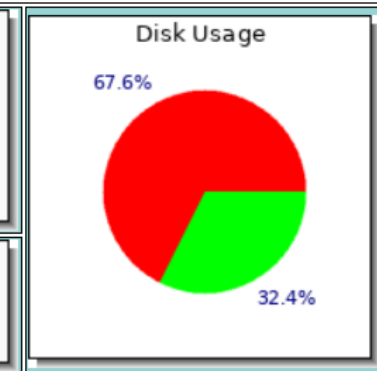
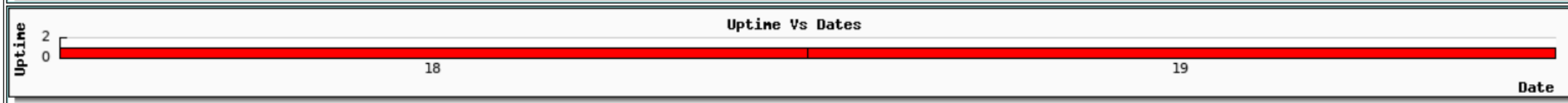
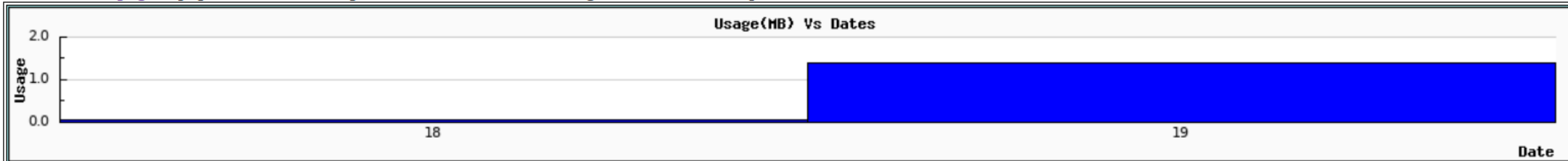


This is a private web site, any unauthorized attempt to access will be prosecuted to the maximum permitted by the law.

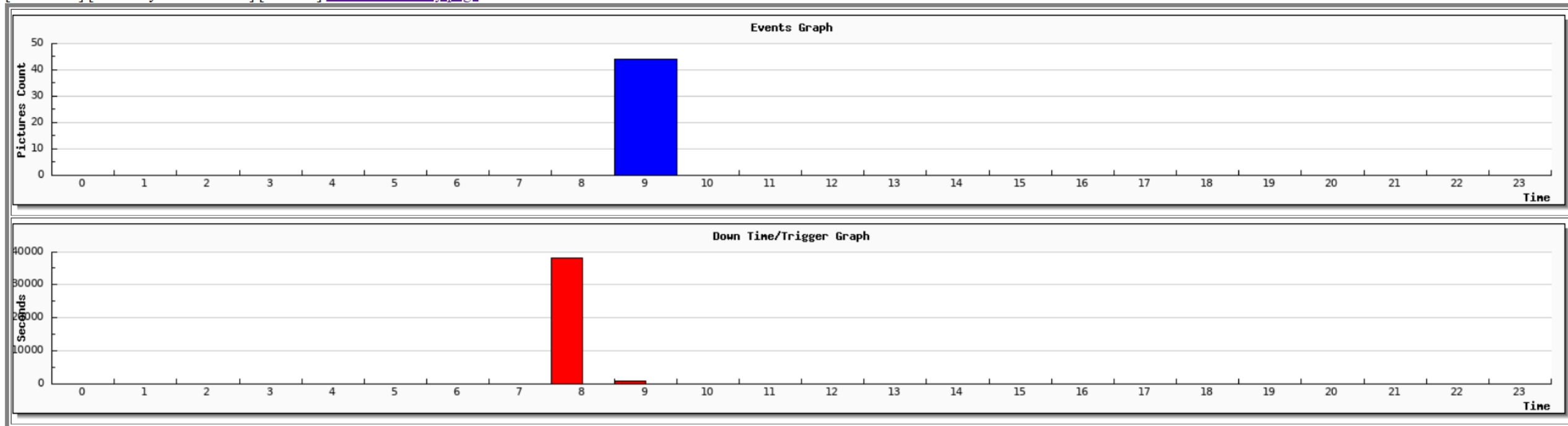




[Show Summary](#)
[Show Configuration](#)



[Entries:44] [Directory Size:1.42MB] [Date:19] [Back to summary page](#)

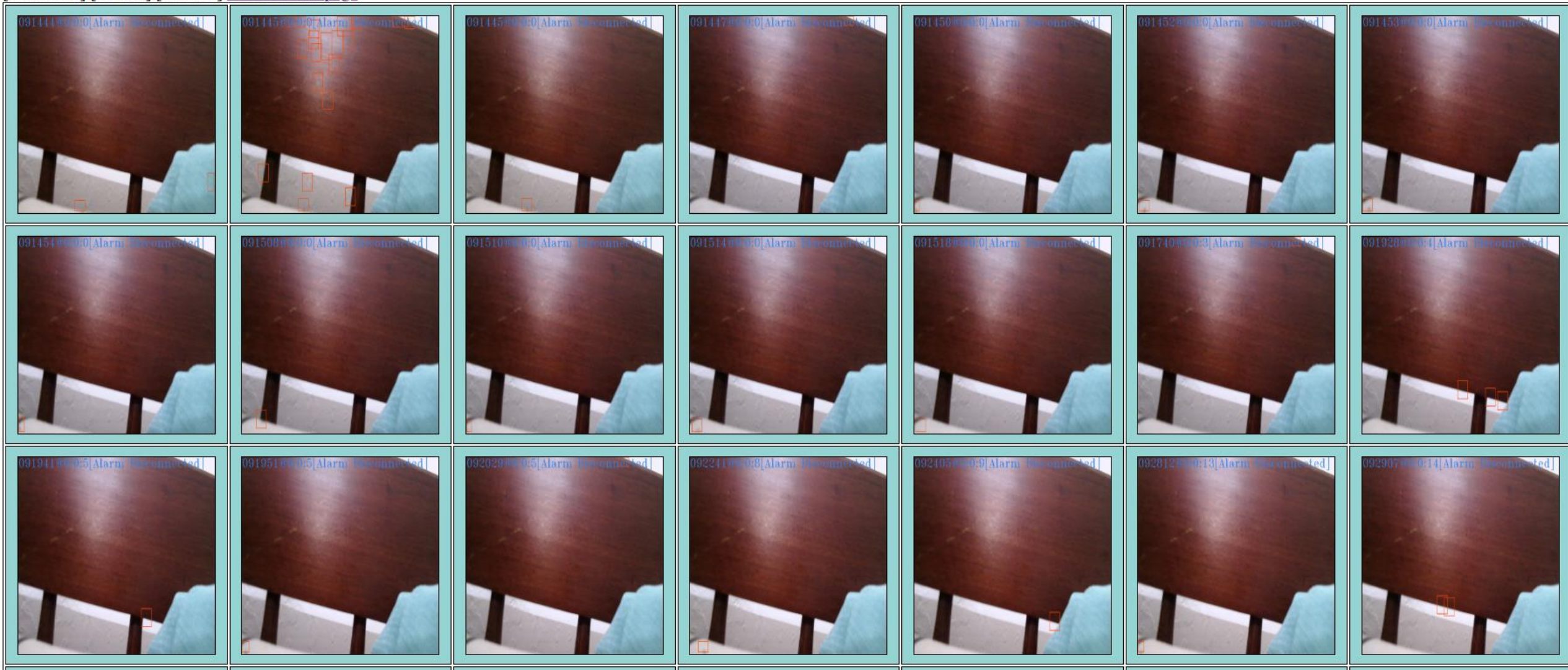


Select Hour: 0 ▼

Submit

Select Hours to Analyse

[Entries:45] [Hour:9] [Date:19] [Back to main page](#)

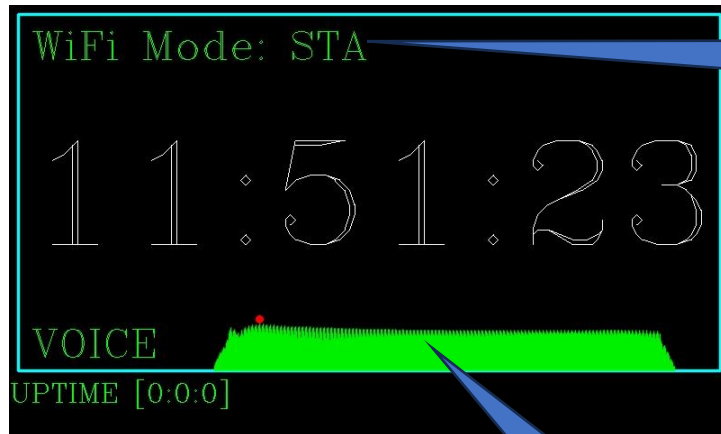


[Back to main page](#)

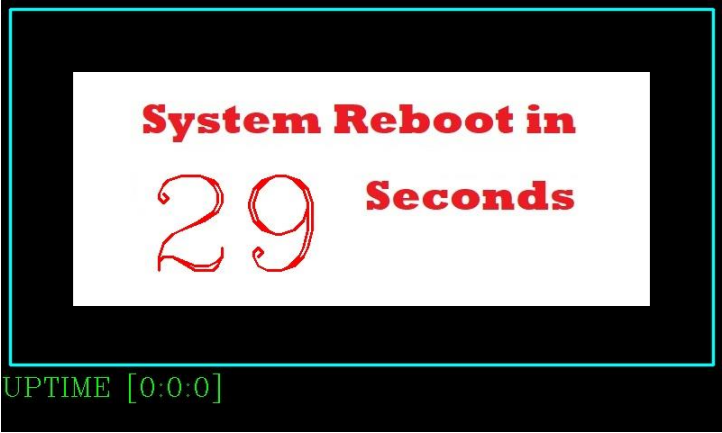
Network Configuration		Mouse Configuration		Camera Configuration		Microphone Configuration	
NAME	STATUS	ID	NAME	ID	NAME	ID	NAME
		0	RAPOO Rapoo 2.4G Wireless Device				
sarath_nivas_EXT	wlan0	1	RAPOO Rapoo 2.4G Wireless Device System Control	0	bcm2835-codec-decode	2	Lenovo FHD Webcam Audio
ecsys_ap	--	2	RAPOO Rapoo 2.4G Wireless Device Consumer Control	1	bcm2835-isp		
		3	RAPOO Rapoo 2.4G Wireless Device	2	Lenovo FHD Webcam Audio: Lenovo		
		4	ADS7846 Touchscreen				
		5	Lenovo FHD Webcam Audio: Lenovo				

Application Parameters	Value	Comments
mouse_level	0	0-5
mouse_name	RAPOO Rapoo 2.4G Wireless Device	name of mouse shown by mouse configuration
beacon_timeout	15	0-255 Seconds
dir_max	2	0-255 Directories
camera	Lenovo FHD Webcam Audio: Lenovo	no,name of the usb camera shown my camera configuration or pi_camera
micro	Lenovo FHD Webcam Audio	no,name of the microphone shown my microphone configuration
voice_threshold	100	< 90
voice_start	0	0-23 Hours
voice_duration	0	0-24 Hours
sec	seckey	secret key for communicating with WiFi Alarm
access	admin	password for accessing the web

Change Application Parameters		Change Application Parameters		Change Network Configuration	
MOUSE_LEVEL	<input type="text"/>	VOICE_THRESHOLD	<input type="text"/>	SSID	<input type="text"/>
MOUSE_NAME	<input type="text"/>	VOICE_START	<input type="text"/>	PASSWORD	<input type="text"/>
BEACON_TIMEOUT	<input type="text"/>	VOICE_DURATION	<input type="text"/>	WiFi mode	STA ▼ ADD ▼
DIR_MAX	<input type="text"/>	SEC	<input type="text"/>	Submit	
CAMERA	<input type="text"/>	ACCESS	<input type="text"/>		
MICRO	<input type="text"/>	REBOOT			



WiFi Mode of Operation



This Menu will blink when console is not connected to remote WiFi Alarm

Voice Band (4Khz)Spectrum analyser in real time. It changes its colour to CYAN when voice detection is activated.

