Product Features:

- The mainboard includes classic retro arcade games and home games,The game has been optimized by many software and hardware developers, And with superhigh-level player tested, Let you return to the original feeling of the game.
- The product has the function of open high quality screen,Better adapt to the era of high quality screen requirements.
- You no need to buy extra video converter,because mainboard support multiple output ports,Support HD digital output 720P to any HDMI port display device, And VGA output support downward compatible to old display devices.
- Support language: English / Korean / Spanish
- Support HDMI audio/AUX audio outputand the integrated power amplifier output to the speaker of the mainboard(Speaker output can be turn ON/OFF in system setting).
- Support the custom function of arcade button and gamepad,Support more than 90% of gamepad types connect to USB to play games.
- Support edit your favorite 99 games at the top of the game menu.
- Support pause function in the game.

Compared with the previous product function, Pandora Box DX adds the following content:

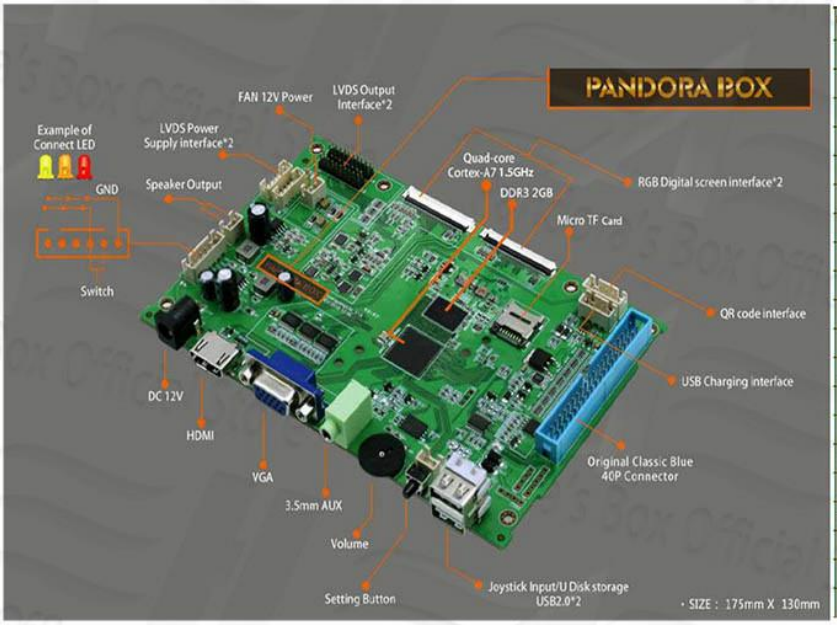
- Supports the save state/load state of the game.If you are playing,but now need to go out,Before turn off the console you can choose save state, When you come back,you can load state to continue play this game.
- Supports auto saving of the game ranking high score.When you load it again, you will see that your name is still in ranking.
- In the main menu press 1P start button, will show nine squares function select menu.
- Support recent game to selection and quickly start recent game,Support game name fast and accurate search, AII 3D game selection,3 Players and 4 Players game selection and game types selection. (picture4) (picture5)
- 3D game update to 34 games,You can download the game copy to the specified path of U disk to add the game(Note: the basic storage of the mainboard is 32GB,and the

remaining 2GB storage is reserved for game save state and save high score, Please try not to use it.If you need to add more games,please replace the U disk with larger capacity, Thank you for your cooperation).

- Support 3player or 4playerto play games at the same time,support single gamepad and two gamepads connect USB play game,more than 100 games for 3players or 4player.
- Supports Unlimited Games feature on an External storage media so that players can easily add their own games of FBA, MAME, PS1, SFC / SNES, FC, Mega Drive games.

Picture4

Picture5



Pandora Box	2P	1P	Pandora Box
+5V	1	1	3.3V
NC	2	2	NC
NC	3	3	NC
NC	4	4	NC
NC	5	5	NC
2P-F	6	6	2P-F
2P-E	7	7	2P-E
2P-D	8	8	2P-D
2P-C	9	9	2P-C
2P-B	10	10	2P-B
2P-A	11	11	2P-A
2P-RIGHT	12	12	2P-RIGHT
2P-LEFT	13	13	2P-LEFT
2P-DOWN	14	14	2P-DOWN
2P-UP	15	15	2P-UP
2P-START	16	16	2P-START
PAUSE	17	17	COIN
GND	18	18	GND
NC	19	19	NC
NC	20	20	NC

Motherboard Specification

Item	Description	
System Config	CPU	Quad-core Cortex-A7 1.5GHz
	GPU	Mali450MP2
	RAM	2GB DDR3/1866MHz
	Storage	1Gb System Storage/32GB MicroSD(TF) or USB EXTRA
Support resolution	High-Definition Digital Output 720P(1280*720) / 640x480	
I/O	1 x HDMI 1 x VGA 2 x RGB 2 x LVDS 1 x 2X20 GPIO 1 x 3.5mm AUX port 1 x Speaker gpio 1 x USB ports for usb disk 1 x Power adapter input 12V/2A	
Work Environment	Temperature 5 °C --45°C,30%--90°/o Humidity	
Dimension	175mm x 130mm x 40mm	
Net Weight	0.35Kg	

Resolution settings:

The mainboard has two kinds of video output ports: HDMI and VGA,HDMI only outputs 1280x720 resolution,VGA supports output of 1280x720 and 640x480, For example:if you are using VGA output,the output resolution is 1280x720,need to change the resolution to 640x480,So in the power off state,press and hold the setting button,then turn on the power,release it after 3 seconds,the resolution will be changed to 640x480,and the same operation can be change back to 1280x720. The setting button is as follows(picture2).

Setting Menu:

In the game menu or in the game, press the setting button to into the setting menu

IO Test:

This option is to test the connection status of the coin selector, joystick and button of the console(picture6).

picture6

Custom Button:

This option can customize your button habitually uses.

1 DEFAULT KEY MAP: This option is mainboard 40p connect to arcade console button custom,hold 1p or 2p start button for 3 seconds to enter each custom state (picture7) (picture8) ,Follow the prompts to custom the A-H button in the game and press 1p start save custom button and return. If you do not need to customall button,just custom individual button.After custom individual button you need,press 1p start to complete custom,Other buttons will be assigned auto! Press the 1p start again will save and back to setting menu.

2 GAME CUSTOM: The standard game gamepad can be connected to the USB of the mainboard,Support 90% of gamepad in the market,the custom is the same as above.

3 RESTORES DEFAULT CUSTOM BUTTON: This option has two options, restores the console default button and restores gamepad default! Move up and down to select,1p start button confirm.

picture7

picture8

System Config:

1 Credit Setting:

[free play] is the family mode.At this time,pause is on by default and locked to pause menu to exit the game.(picture9).[1:1,2:1...9:1],[1:2...1:9],this is set to coin mode.

2 Exit Game Mode:

This option is for coin mode,set the exit mode of back to the game menu in the game. It can be set to use [menu exit]/[1P start + coin]/[hold 1p start for 3 seconds]

[Menu Exit] In the game,Hold 1P start button for 3 seconds,will show the menu to select exit (picture 10),this mode,the central manager will record and save coins,It means that the coins inserted in the game menu or game are stored here first,If the remaining coins are not insert to the game,Can be stored to return to the game menu,and can choose to enter other games to use.It can also cooperate with Item 3 "pause menu: ON",use pause button to show exit menu quickly select exit.

[1p start+coin] In the game,hold 1p start,insert 1 coin,then exit to the game menu,1 coin is valid.You can choose to enter other games to use. It can also cooperate with Item 3 "pause menu: ON",use pause button to show exit menu quickly select exit.

[hold 1p start 3 sec.] in the game,hold 1p start for 3 seconds to directly exit to the game menu,This mode can not record and store any coins to return to the game menu.It can also cooperate with Item 3 "pause menu: ON",use pause button to show exit menu quickly select exit.

3 Pause Menu:

[ON]/[OFF],cooperate with Item 2 "Exit Game Mode",convenient and quick exit.

4 Auto Exit:

[ON]: If joystick and button are not operated for 3 minutes in the game,it will auto return game menu.
[OFF]:This function will be closed,It will not auto exit game menu.

5 Select Game Mode:

This option can be set in the game menu,Whether need to after insert coin can move the joystick to select the game.This setting cannot be set in free play status.[menu exit] or [1p start+coin] mode,you can set [Always]/[With Coin]
[With Coin]: After insert coin,can move joystick to select games
[Always]:Without insert coin can select game at any time

6 Quality Optimization:

[ON]: Output Game Screen Using Graphic Card Software to Calculate Output of High Quality.
[OFF]: Output game screen use original screen.

7 Scanning Line:

[ON]/[OFF],Let LCD come true CRT monitor display in the era of arcade,and let CRT monitor screen reproduce the classic picture.

8 Timer Mode:

[Home Game Timer Only]:Arcade games insert coin uses coin mode to play games,and home games insert coin uses timer mode to play games
[All Timer]:Arcade games and home games insert coin both uses timer mode to play games.

9 Game time:

In timer mode,how many minutes=1 Coin,1～60 minutes can be set.

10 Gamepad Setting:

This mode use 1P and 2P arcade joystick and button(40p gpio) + two gamepads to play games,and support 4players play games at the same time.

This mode use 1P arcade joystick and button + two gamepads to play games, and support 3players play games at the same time.

This mode closed 1P and 2P arcade joystick and button just use two gamepads to play games.

picture9

picture10

Game Setting:

1 Difficult &Lifes Setting:

Press A button enter into the difficult &lifes setting menu(picture11) .Move the joystick to choose the game,press A button to set the difficult;press B button to set the lifes(The game cannot be set without number display)(picture12);Press C button will set the selected game as a unified standard setting;press 1P start button back.

picture11

picture12

2 Edit Games List:

Press B button enter into the display/hide game setting menu(picture13);Move the joystick to choose the game you want to setup.Press A button to display/hide game,after hidden the game, will appear in front of the hidden game;press B button will display all games.If you just want to run a game,after select it then press C button hide all game,every time after the turn on the power will auto run this game;press 1P start button back.

3 Edit Favorite List:

If there are some games you like very much,you can favorite it,Press B to enter edit favorite list (picture14);press A button to favorite, will appear in front of the game name,it will display on top of the game menu.You can favorite of 99 games.Press C to cancel all favorite.press 1P start button back.

picture13

picture14

Book Keeping:

Mainboard can record all the number of insert coin,all insert coin will be recorded and displayed in [total coins:],it is under book keeping.if you need to clean the total coin records,please input password(picture15),the default password is 55555555, joystick up & down change the number,left & right is next and return. after into can clean coin records and change the password(picture16).Select change password, enter your old password to confirm,and then enter a new password.

Note: if you change the password, please keep it properly to avoid unnecessary loss. For assistance, please contact.

picture15

picture16

Built-In Speaker:

Mainboard support 2pin output to the speaker,when you choose to use HDMI or aux 3.5mm output sound,you can choose[OFF] close the speaker.

Language:

Mainboard supports three languages: English/ Spanish / Korean.

Boot Demo Movies:

When you lock a game in edit game list,you can choose [OFF],do not display boot demo video,quickly start the game by turn on power.

Save Setting:

Press A button to save the setting,it will show YES/NO,if you need to save all the settings you just changed, please select YES,without save please select NO; A button OK,then the screen will show SAVING...,when show SAVING...please do not turn off the power,the mainboard will auto restart and show the game menu.

Factory Setting:

Select [YES] will restore the factory settings.Select [NO] without any settings.