Asynchronous Full-color LED Display Controller HD-D1

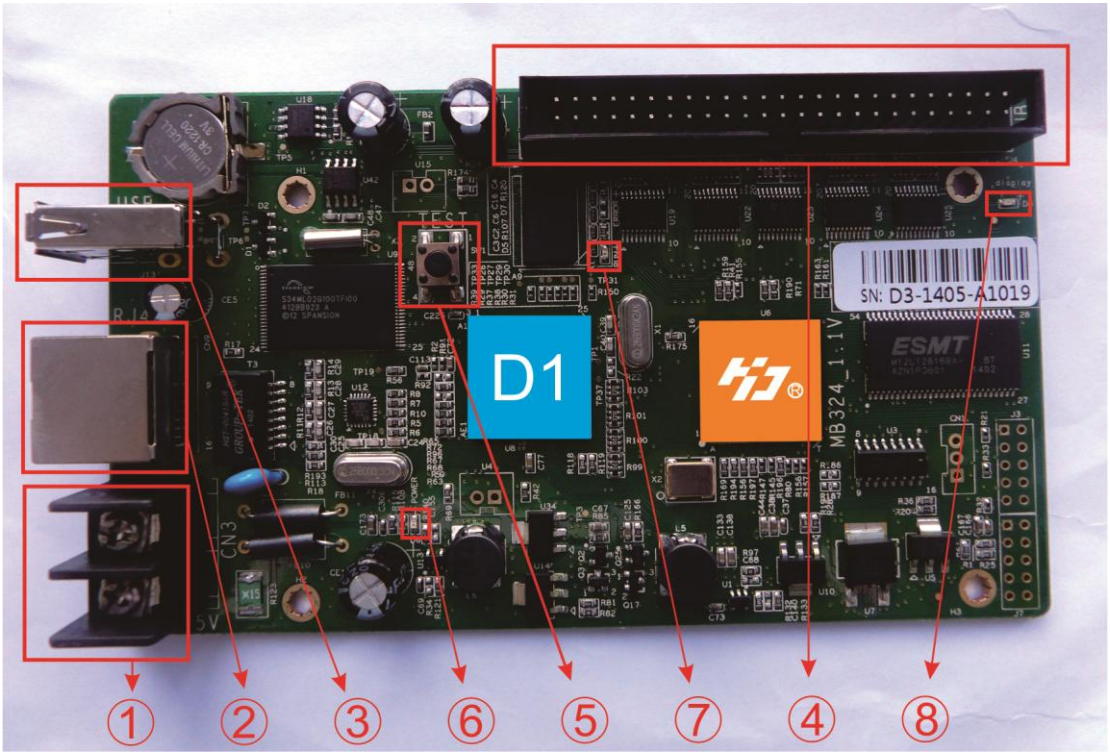
Features：

1. Support indoor & outdoor full-color & single/dual color module.
2. Support Video display, Animation Image and Text Editing.
3. Support 256 Gray scale.
4. Support U-disk expanding memory, plug and play.
5. Support Video output.
6. Plug and play without any network settings.
7. Support network cluster management.
8. Simple and flexible user interface, easy to operate.

Parameter：

Type	Indoor & outdoor full-color & single/dual color module
Scan mode	Support 1-32 scan randomly
Control range	Full-color -> 512W*64H; Single / dual color-> 512W*64H
Gray Scale	256
Video format	AVI, WMV, MP4, 3GP, ASF, MPG, FLV, F4V, MKV, MOV, DAT, VOB, TRP, TS, WEBM, etc.
Animation format	SWF、FLV 、GIF
Image format	BMP, GIF, JPG, JPEG, PNG, GIF, etc.
Text	Text and Image being edited directly. Document like word, txt, rtf, html etc. can be edited as well after importing directly.
Time	Classic Analog clock, digital clock and various of clock with image background
Audio output	Double track stereo audio output
Memory	256MB Flash, more than 2 hours' program support. Indefinite expanding of U-disk memory.
Communication	10/100M Ethernet
Distance	100 meters
Port	2pin 5V Power x1, 10/100M RJ45 x1, USB 2.0 x1, 1 x 25pin HUB port x2
Software	HDPlayer

interface definition:



◯,1: Power port: Connect 5V power supply.

◯,2: RJ45 : Connected to the computer , router or switch, normally, Orange light is always bright, Green light flashing.

◯,3: USB port: Plug in the U disk or mobile hard disk to update the program.

◯,4: 50PIN Ribbon cable interface: Connected to the HUB board.

◯,5: Test key: test screen, like red, green, blue, white and so on.

◯,6: POWER light: Bright—working properly.

◯,7: RUN light: Flashing—Working properly, not bright— not normal.

◯,8: DISPLAY light: Flashing—working properly, not bright or always bright — not normal.

Output Interface Definition:

Support “RGBR “8 groups, parallel data are defined as follows:

VCC	2		1	GND
VCC	4		3	GND
NC	6		5	GND
BD7	8		7	NC
RD7	10		9	GD7
BD6	12		11	NC
RD6	14		13	GD6
BD5	16		15	NC
RD5	18		17	GD5
BD4	20		19	NC
RD4	22		21	GD4
BD3	24		23	NC
RD3	26		25	GD3
BD2	28		27	NC
RD2	30		29	GD2
BD1	32		31	NC
RD1	34		33	GD1
BD0	36		35	NC
RD0	38		37	GD0
LC	40		39	LD
LA	42		41	LB
CKA	44		43	STB
GND	46		45	OE
GND	48		47	VCC
GND	50		49	VCC

Assembly drawing: