



Product Specifications Full Color Asynchronous Controller Card HD-D05

V2.0 20190827

System Overview

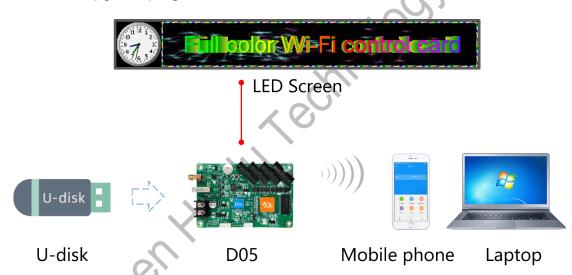
HD-D05 is a full color LED screen asynchronous control system that supports Wi-Fi connection, mobile APP control.

HD-D05 has 128MB memory space, which can be used to store program files for offline play.

It use HDPlayer and mobile APP-"LedArt" for management.

Communication mode

Upgraded programs by laptops, mobile phones with Wi-Fi connection or use U-disk for upgrade programs.



Features

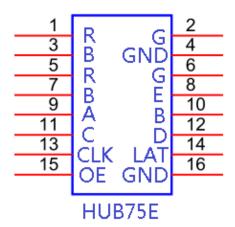
- 1. Support variety full color modules,
- 2. Control range: 640*64,
- Support 256~65536 gray level,
- 4. Support Image, Word art, Animation background, Neon light effect,
- 5. Support U-disk unlimited expansion program, plug in broadcast,
- 6. No need set IP address, HD-D05 could be identified by controller ID automatically,
- 7. Not support video play.

System function list

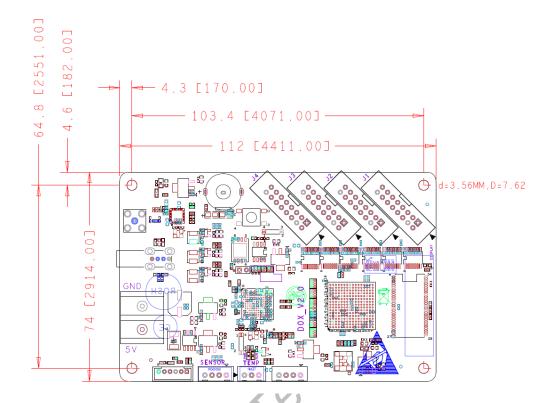
Module type	Full color modules, Static to 1/64 scan mode		
Control Range	640*64, Widest: 640, highest: 128		
Gray Scale	256~65536		
Animation Formats	SWF、GIF		
Image Formats	BMP、JPG、JPEG、PNG etc.		
Text	Support text message editing, inserting picture;		
Time	analog clock, digital clock and a variety of dial clock functions		
Other function	Neon, animations function; Clockwise/counter-clockwise count; support temperature and humidity; Adaptive brightness adjustment function		
Memory	128MB, Indefinitely expanding memory by U-disk;		
Communication	U-disk, Wi-Fi		
Port	5V Power *1, 4 lines HUB75E		
Software	HDPlayer, LedArt		

Interface definition

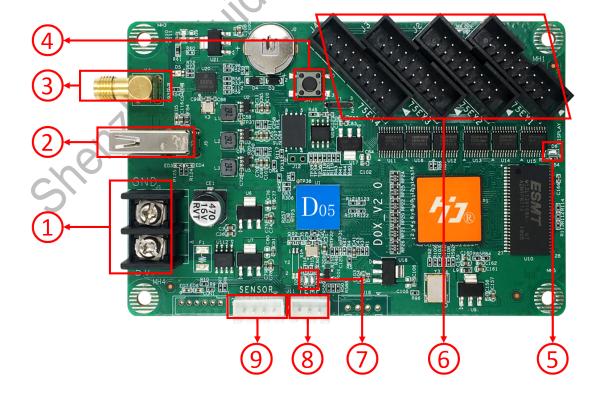
Support 4 groups HUB 75E parallel data are defined as follows:



Assembly drawing



Interface Explanation



- 1. Power terminal, connect 5V power,
- 2. USB port, connected to USB device for update programs, e.g. U-disk, Mobile hard disk, etc,
- 3. External antenna interface: Connect the antenna to enhance Wi-Fi signal,
- 4. Test button: for test the brightness and contrast of the display screen,
- 5. Display light (Display), normal working state is flashing
- 6. HUB75E port: connect LED screen by cable,
- 7. Power light and running light: D1 is running light, D2 is power light, normal working state: power is always on, run flashes,
- 8. Temperature Sensor port: for connect to Temperature;
- 9. Sensor Port: for connect external sensor.

Technical Parameters

	Minimum	Typical value	Maximum
Rated voltage(V)	4.2	5.0	5.5
Storage temperature(℃)	-40	25	105
Work environment humidity (℃)	-40	25	80
Work environment humidity (%)	0.0	30	95

Precaution

- 1) To ensure that the control card is stored during normal operation, make sure the battery on the control card is not loose;
- 2) In order to ensure the long-term stable operation of the system; please try to use the standard 5V power supply voltage.