

T-100K System Introduction

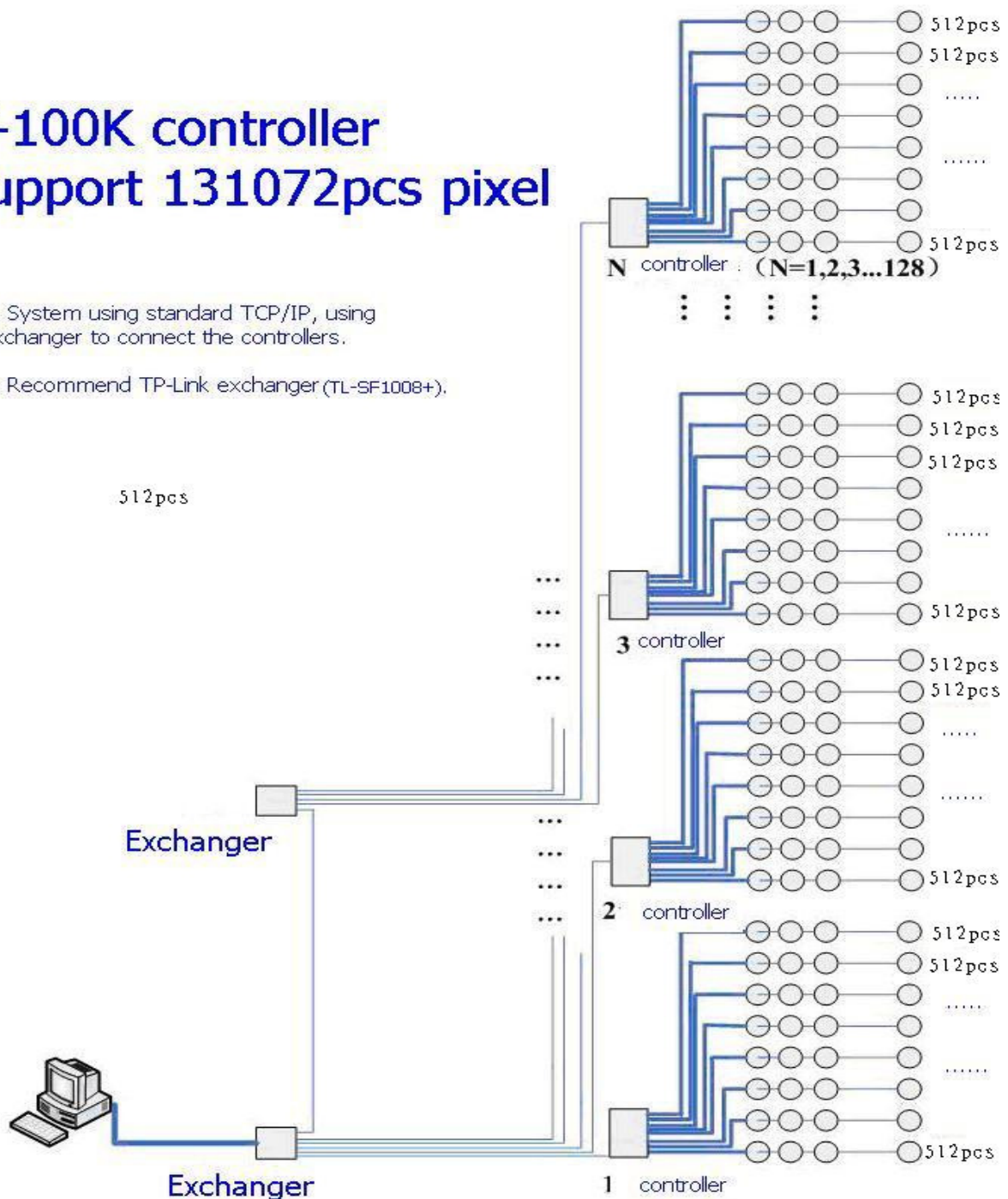
一、Features

- 1、256 Gray, Gamma correction processing software.
- 2、Support the rules and special-shaped handle.
- 3、Computer on-line, multiple controllers can be cascaded up to 131072 pixel light control.
- 4、Each controller, 8 ports, each port 1024 lights
- 5、Optimization of network protocols, supports standard Fast LAN connectivity, can be connected using a common switch.

二、System architecture diagram

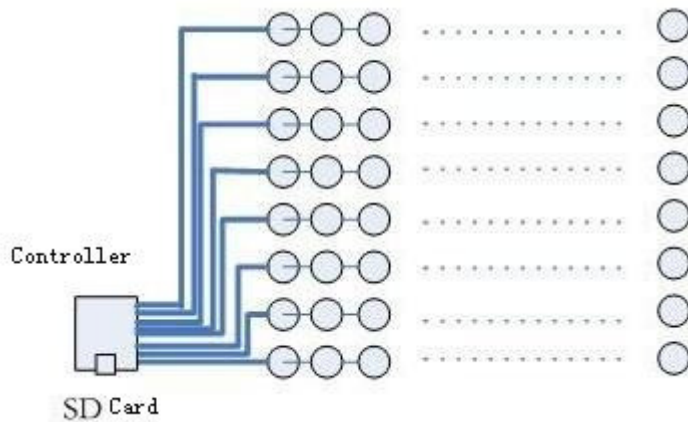
T-100K controller support 131072pcs pixel

1. System using standard TCP/IP, using Exchanger to connect the controllers.
2. Recommend TP-Link exchanger (TL-SF1008+).

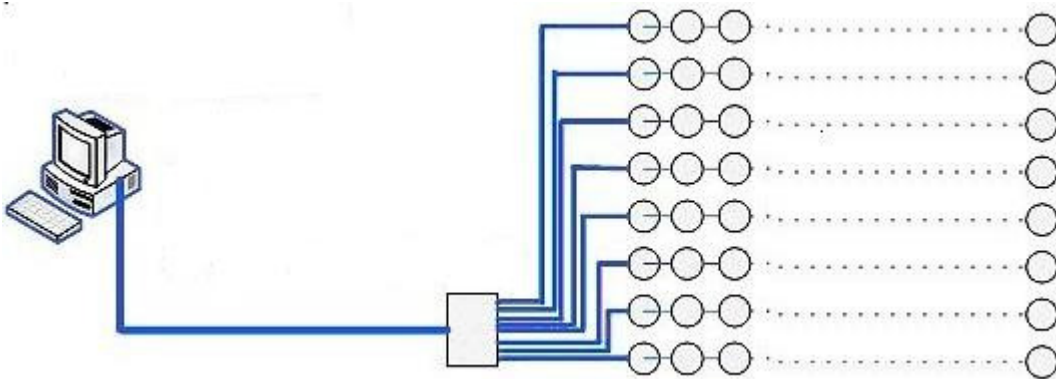


This controller can connect to computer, then it will be on-line controller. If it don't connect to computer, then it will be off-line controller.
The system can connect 128pcs controllers and support 131072pcs pixels.

1. One controller without connecting to computer manual:
 - a. off-line work with SD card to play video
 - b. 8 ports output the date
 - c. Each port drive 1024 pcs LEDs
 - d. If using a single controller without connecting to computer, the controller number must be set NO.1, and must insert a SD card which stored the animation program file.



2. One controller connecting to the computer manual:
 - a. using a reticle to connect computer and controller
 - b. the computer IP set as 192.168.60.178
 - c. the controller number set as NO.1



三、Appearance:



Figure 1



Figure 2



Figure 3

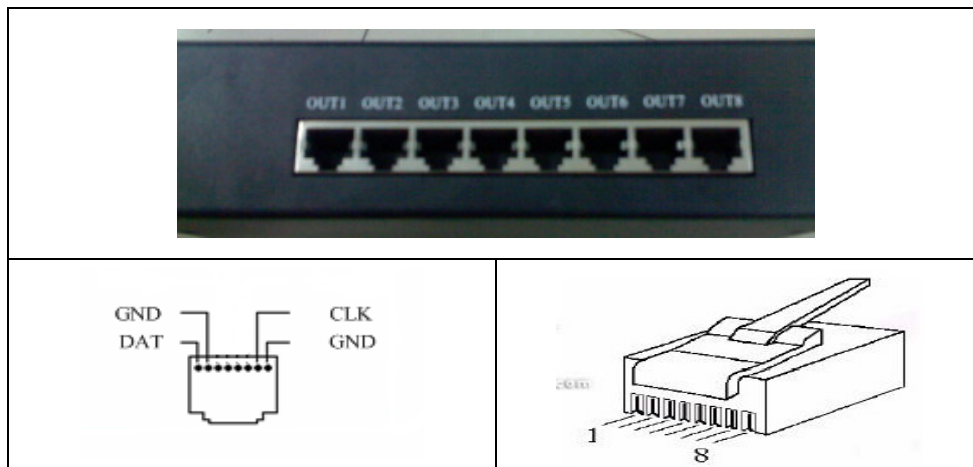


Figure 4

175mm*164mm*45mm

Controller output port respectively, OUT1, OUT2, OUT3 OUT8.

Signal Interface Definition (RJ45 Block):



1	DAT	Output signal DATA	
2	GND		
3	NC		
4	NC		
5	NC		
6	NC		
7	CLK	Output signal CLK	
8	GND		

Differential output is defined as the:

1	DA	DATA---A
2	DB	DATA---B
3		
4		
5		
6		
7	CA	CLK----A
8	CB	CLK----B



POWER	Power LED
SD	SD card slot
OFF/ON	power switch
LINK	Network Online Status Indicator
SPEED	Network Online Speed Indicator
ACT	Network ACT indicator
NET	For the Ethernet interface

四、IP Settings

Diagram for the DIP switch is used to set the controller number that the IP address:



T-100K each controller must set the number, is the controller IP address,

Each controller, according to numbers from the computer to obtain data on the different players。

SW1—S W 7	To set the controller ID: 1-128 (Binary encoding) All ON is No.1
SW8	NC

After configured, restart the controller, the controller above the LCD screen will show the number of the station controller:

“This Num is 001” or “This Num is 002”, “This Num is 003”

<p>LCD screen displays the first line of “this Num</p>	<p>The controller number change, need to re-start the controller Example “Num: 001, chg.:004 Need restart!” .</p>
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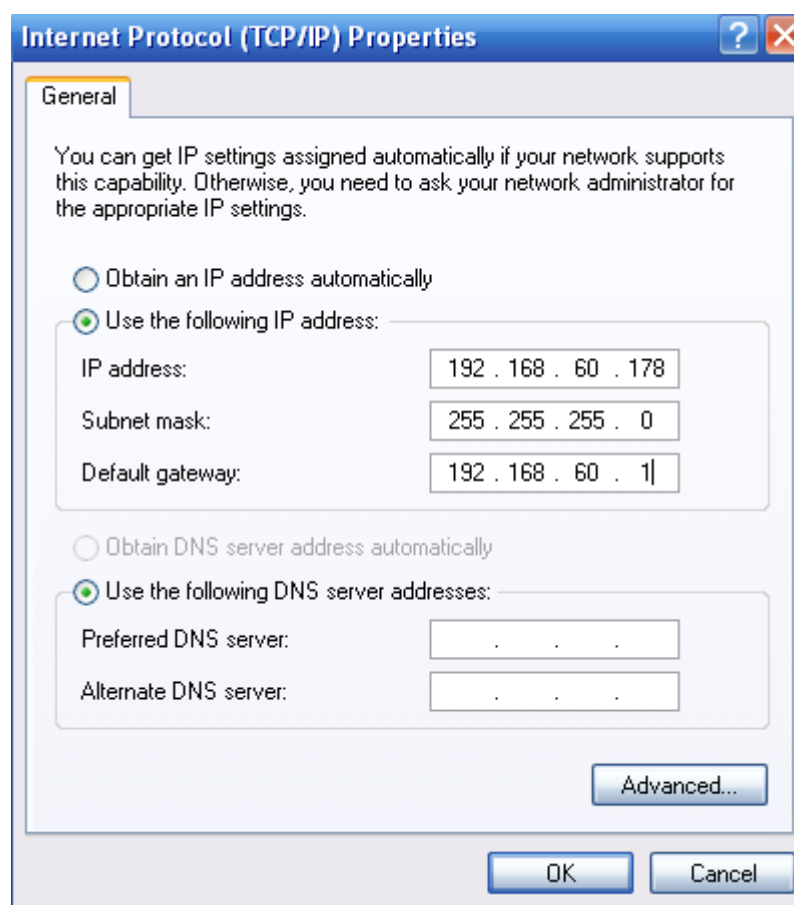
is :001” Means that the controller's number is 001.
If the controller's number is No. 1, if the first number does not insert the SD card, this controller's LCD screen will show the second line of "No SD Card!"

Controller's IP address from the beginning 192.168.60.50

192.168.60.50-----Controller No. 1
192.168.60.51-----Controller No. 2
192.168.60.52-----Controller No. 3
192.168.60.53-----Controller No. 4.....

Computer IP Settings

PC IP set to 192.168.60.178



Specific parameters:

Memory Card:

Type: SD Card

Capacity: 256MB—2GB

File Format: FAT file format

Store files: *.led

Physical parameters:

Weight: 0.8kg

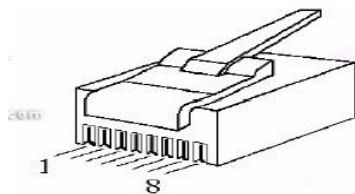
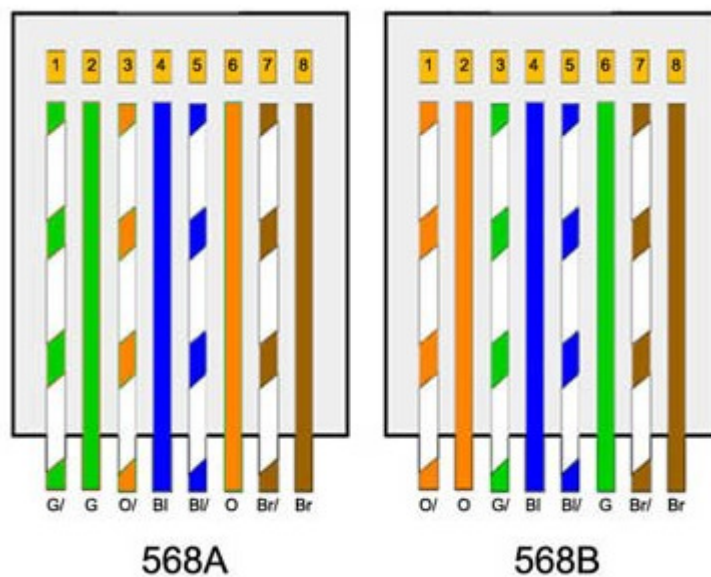
Size: Length 18.2cm width 16.5cm High 4.5cm

Temperature : -20℃—85℃

Power Supply: AC 85V—264V

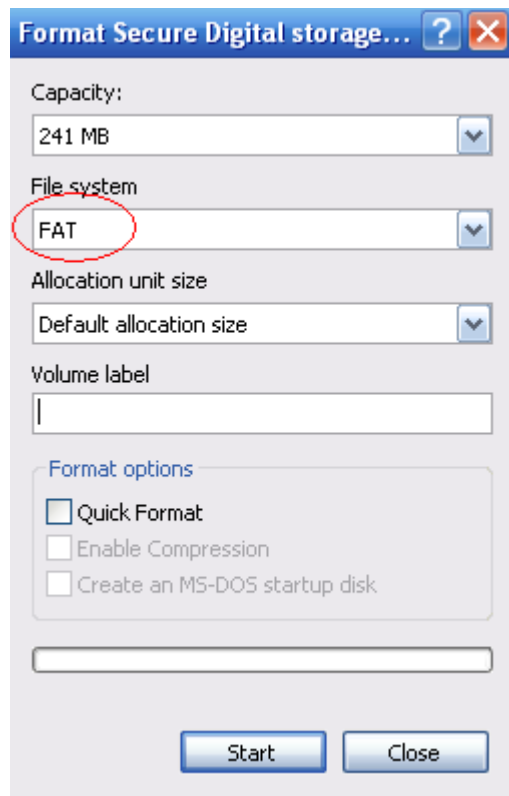
Power: 8W

Connection cross-network line:



Note:

To copy files to SD card, you must first format to the SD card, pay attention to is that each copy must be formatted before.
SD card must be formatted as "FAT" format.



Controller on the SD card can not be hot-swappable, plug the SD card every time, you must first disconnect the power supply controller.