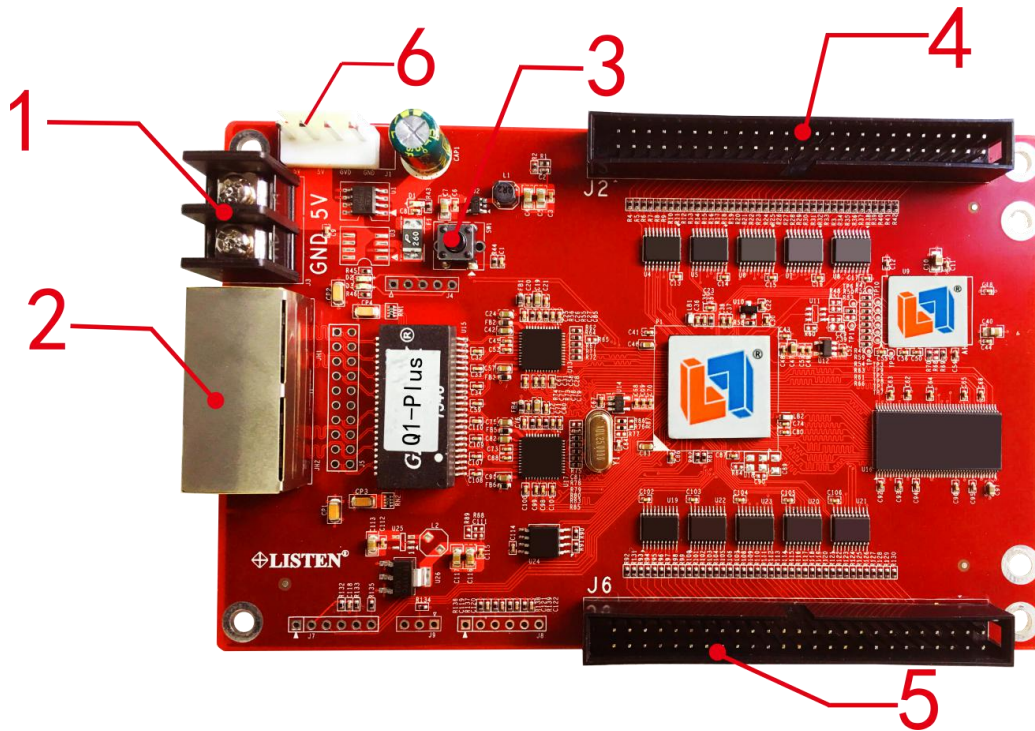


# **SPECIFICATION FOR LS-Q1-Plus(50)**

<b>Version</b>	<b>Date</b>	<b>Reason</b>
V1.0	21/03/2017	Document

## Hardware

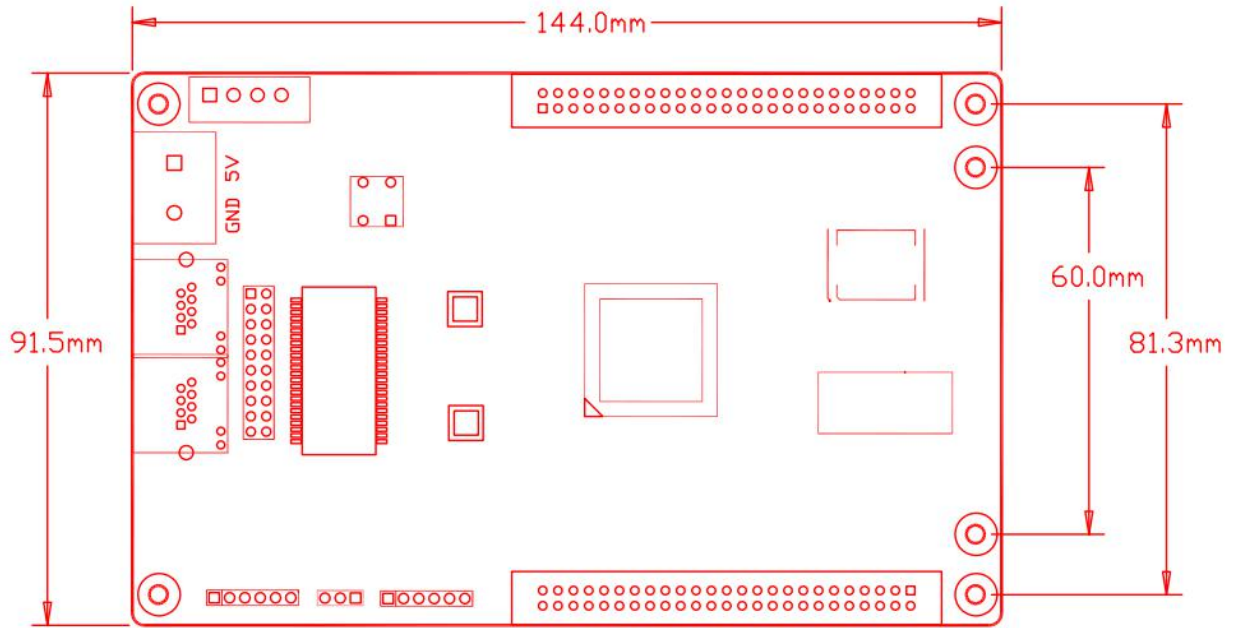


1	5V power port
2	1000M network interface
3	Test key
4	50 core output port 1
5	50 core output port 2
6	5V power plug

## Parameter

<b>Type</b>	Synchronous and asynchronous dual-mode controller
<b>Support</b>	Play video, image, animation, text, date, time (at Synchronous mode)
<b>Scan</b>	Static scan to 1/32 scan
<b>Support range</b>	For RGB full color:640*128(1/4scan) 384*256(1/16scan)
	For single and double color: 1024*256
<b>Hub interface</b>	50PIN*2
<b>Grey level</b>	2~65536
<b>Refresh rate</b>	Max 4KHz~16KHz,compatible with mainstream high refresh chip
<b>Frequency</b>	1MHz~31.25MHz
<b>Data group</b>	16 group full-color signal
<b>Max. Cascade</b>	255pcs
<b>Memory</b>	4GB/8GB option
<b>Temperature</b>	-40℃ - 85℃
<b>Features</b>	<ul style="list-style-type: none"> <li>● Support all modules of single&amp;dual and full color, one key to choose various settings;</li> <li>● Support synchronous and asynchronous dual mode ;</li> <li>● Support any cascade for very long or high screen;</li> <li>● High capacity memory including 4GB/8GB;</li> <li>● Built-in colorful background and words;</li> <li>● Support stastic1/32scan, compatible with mainstream high refresh chip;</li> <li>● Sending speed 2.5 times faster, word left shift effect promote 5 times;</li> <li>● Support video processing and scaling, sell-define copy area;</li> <li>● No need sending card, stable gigabit communication, maximum support 600 thousands pixels;</li> <li>● Easily operate software with initiative particles frame in LED industry;</li> </ul>

### Dimensional Drawing



### Connection instruction

LS-Q1-PLUS support any cascade for super long or high screen, which means it not only can be controlled without computers, but also connect to computer and controlled in synchronously mode.

### Cascade Diagram

