



Shenzhen Mooncell Electronics Co., Ltd

Master Controller Series

B600S Sphere LED Display Product Specifications

1 Product Overview

Product Introduction

B600S is a recently developed independent master controller that is specially designed for special-shaped led displays with 6 Gigabit Ethernet Ports for Output; its loading capacity could reach up to 2.6 million pixels and with an excellent processing performance which could highly enhance the loading utility, it could perfectly supports any 2K resolutions; Overall, its a product with a strong processing ability, super stability as well as is high price competitive.

Product Features

- *Varieties of input interface: 1X DP 1.2 Input; 1X HDMI2.0 Input; 1X Audio Input*
- *Varieties of Output Interface: 6 X Gigabyte Ethernet Port Output, supports arbitrary splicing.*
- *1x USB Port Communication, multiple sending cards could be connected to one computer.*
- *It supports Ethernet Port Loop Dual Backup, Dual Master Controller Backup.*
- *It supports to have multiple preset resolutions: 1024 × 768、1280 × 1024、1366 × 768、1600 × 1200、1920 × 1080、2048 × 1152、2560 × 960 and the user defined resolution is supported.*
- *It is compatible with 30HZ, 50HZ, 60HZ, 120HZ and other Frame Rate Input.*
- *It supports the upper computer software to detect the operating parameters and status of the sending card.*
- *It supports to read the configurations back from where it was stored (configuration read back)*
- *It supports to detect the error rates of the gigabyte network.*

Application Scenarios

Mooncell B600S could be widely used for sphere led display, Circle Led Display and a variety of displays that are special-shaped designed.

2Product Parameters

Basic Parameters

<i>Loading Capacity</i>	<i>1 Network Port</i>	<i>650 Thousand Pixels</i>
	<i>Entire Unit</i>	<i>2.6 Million Pixels</i>
<i>Loading Range</i>	<i>Width</i>	<i>128—4096 Pixels</i>
	<i>Height</i>	<i>64—4096 Pixels</i>
<i>Shift Range</i>	<i>Width</i>	<i>0—4095 Pixels</i>
	<i>Height</i>	<i>0—4095 Pixels</i>

Hardware Introduction

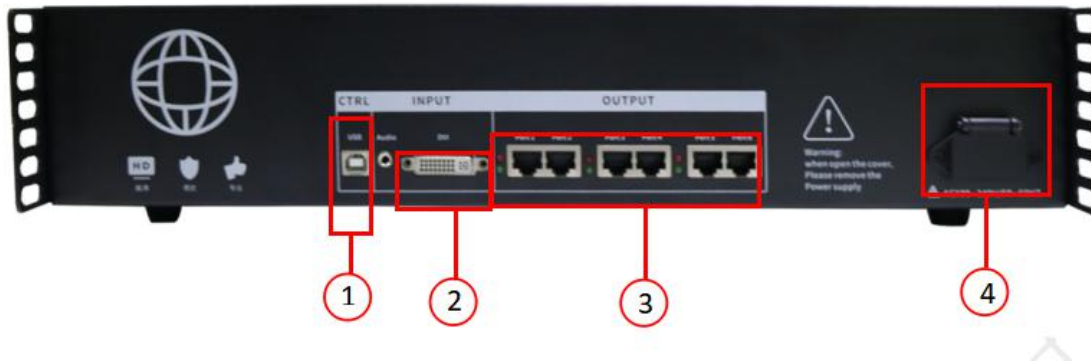


Front Panel

Front Panel Illustration

Front Panel Illustration		
#	Name	Illustration
1	ON/OFF	Power ON/OFF
2	Indicator	The operating status indicator of the controller

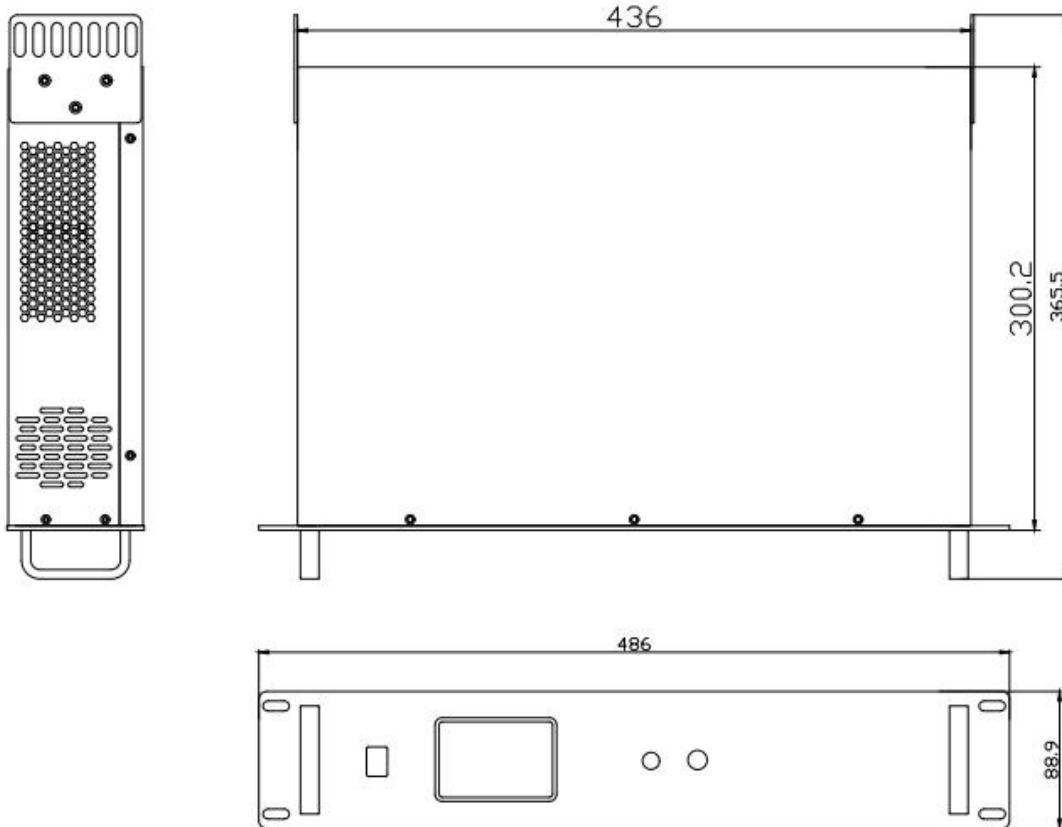
Backside Panel



Backside Panel Illustration		
Input Interface		
#	Name	Illustration
2	AUDIO	3.5mm AUDIO INPUT Port
3	DVI	DVI Video Signal Input Port
Output Interface		
#	Name	Illustration
4	Gigabyte Ethernet Port	<ul style="list-style-type: none"> ◆ OUT1-OUT6: Output Ethernet Ports1-6 ◆ 650 thousand pixels for 1 network port ◆ it supports network port loop backup.
Control Interface		
#	Name	Illustration
1	USB (B TYPE)	to get it connected to the software on the PC to communicate.
Power Interface		
#	Name	Illustration

5	AC Power Port	AC-100-240V-50/60HZ AC Power Port
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Dimensions



3 Product Specifications

Specifications

<i>Electric Parameters</i>	<i>Input Voltage</i>	<i>AC-100-240V-50/60HZ</i>
	<i>Rated Power</i>	<i>20W</i>
<i>Operating Environment</i>	<i>Operating Temperature</i>	<i>-20°C - 70°C</i>
	<i>Operating Humidity</i>	<i>10%RH-90%RH No Solidification</i>
<i>Dimensions</i>	<i>4436mmX300.2mmX88.9mm(Length x Width x Height)</i>	

Precautions

1. *High voltage danger: The working voltage of this product is AC -100V~240V.*
2. *It is forbidden to immerse conductive objects such as liquids and metal fragments into the equipment to avoid safety accidents.*
3. *Please use the equipment in a dry and clean environment.*