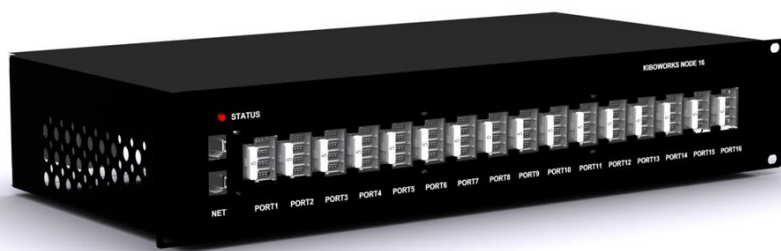




16|32 port node for DMX, ArtNET, sACN and Stream protocols.

## KiboNode|Rack 16



The KiboNode Rack 16 is a sophisticated Power and DMX distribution unit for controlling large LED displays and illuminates the need for separate power supplies to be located in various locations for LED displays.

Rack 16 is designed to support several lighting protocols including ArtNET, sACN, Stream as well as DMX. In addition to these protocols each of the RackNodes output ports can be configured for a variety of LED Dot protocols including Siti, MacroBlack, SAMHOP, MY-SEMI and WorldSemi.

Rack 16 also houses a top of the range internal 600 watt switch mode power supply as standard and optional 1000 – 1500 watt PSUs. Each of the output ports on the RackNode is equipped with a replaceable 5amp fuse and the range of DC voltage output can be selected between 7 and 24 volts depending on the LED fixture.

Multiple Rack 16's can be linked depending on display size and all nodes are automatically synchronized over Ethernet. Each unit can be configured using a simple web interface with allows advanced configuration features such as multiple gamma tables to ensure the LED displays the full spectrum of color even when lighting is at minimum levels. Other advanced options include pixel by pixel color correction and color adjustment per fixture.

This integrated approach allows LED displays to be quickly installed and configured and is ideal for temporary as well as permanent installations.

### Benefits

- UDP Serial and E1-31 DMX Ethernet input
- Ethernet port in/out
- 1 to 4 Outputs per port
- Artnet compatible
- Earth shield for solid grounding from EMI
- HTML Web Page configuration
- Gamma options per port
- PWM frequency options to reduce buzzing
- Variety of LED driver protocols
- Built in test patterns and effects
- Per LED pixel color correction
- 16 full DMX ports
- Per String or Tape color adjustment
- Pixel data grouping or multiplier
- Baud rate adjustment to increase bandwidth
- 8bit input 8-16 bit output conversion
- Remote upload and configuration



9580 Oak Avenue Parkway  
Suite 7-211 | Folsom | CA 95630  
916-988-8921

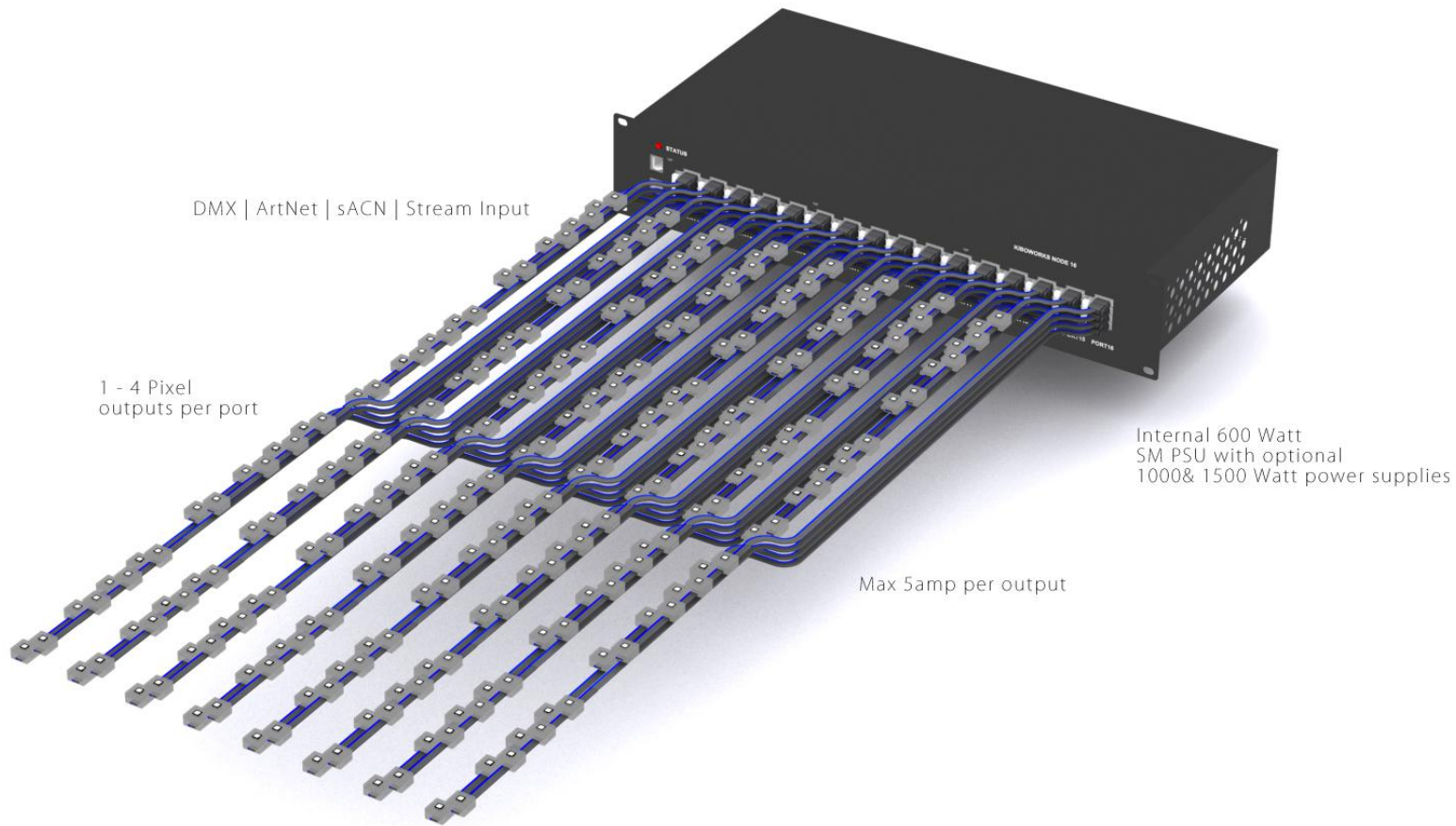
info@kiboworks.com

**KiboWorks**  
Custom LED Technology

16 | 32 Port Rack mount  
DMX Controller  
DMX | ArtNET | sACN |  
Stream

KiboWorks, TeamKibo,  
KiboVision, KiboMenu,  
The Translator  
Are Trademarks of KiboWorks.





16|32 port node for DMX, ArtNET, sACN and Stream protocols.

**Rack|Node**

**Mechanical**  
Housing  
Material  
Overall Dimensions  
Mounting

2U rack enclosure  
Painted anodized aluminum body  
89mm (H) x 251mm (W) x 482.6mm (L)  
4x M6 screw mounting holes

**Electrical**  
Power Input  
Power Output

100 to 240 VAC, 50/60 Hz  
7-24VDC

**Environmental**  
Operating Temperature  
Operating Relative Humidity  
IP Rating  
Certification  
Cooling  
Warranty

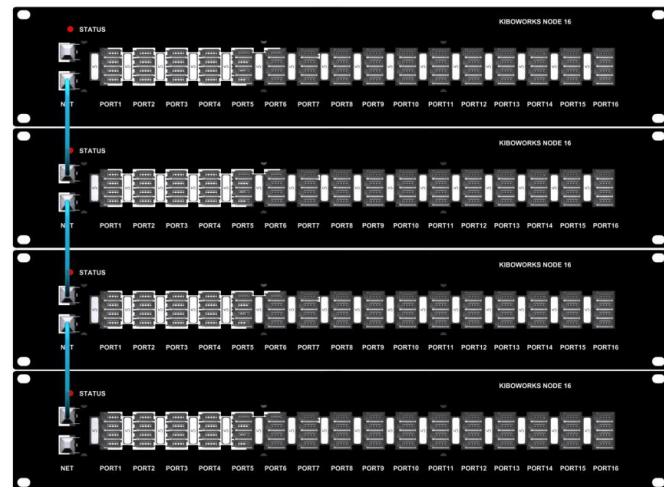
0°C to 40°C  
90% Non-Condensing  
IP20 Indoor Use Only  
CE  
Convection  
5 Year

**Control**  
Control Bandwidth

16 DMX ports @ 100%  
32 DMX ports @ 50%  
8192 (2720 RGB Fixtures)@ 100%  
Art-Net, DMX, sACN and Stream  
RJ45 socket for 10/100Base-TX Ethernet  
DMX512-A, ArtNet, Siti, MB, SAMHOP, WS2801 and Stream (Others by request)  
Pluggable 3M mini-clamp, 4 contacts  
Web Interface  
IP Address  
Output Protocol per Universe  
Gamma Correction  
PWM Frequency  
Variable Baud Rates 240kb, 230kb, 115kb

**Isolation / Protection**  
Isolation  
Protection  
Interface / Indication  
Connections

DMX Output - Ground Referenced  
Earth shield for solid grounding from EMI  
RJ45 socket for 10/100Base-TX Ethernet In/Out



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