



# Distributed & Fiber KVM Matrix System

Host/Fiber Input/Output Node



More exciting AVCiT information on your smartphone



# Distributed & Fiber KVM Matrix System

Dynamic Ports + Scalable + Redundancy I/O

Highly Functionality and practicality




# Distributed & Fiber KVM Matrix System

## Less is more, Smart and Efficient

Simple and smart user experience without wasting any fiber ports.

Thanks to its dynamic ports, Phinx ports can be automatically detected as input for computer, or output for user port, as soon as the Fiber Input/Output Node connect Phinx host





**Messy**

**Complex application environment**  
Various types of signal sources and display that is not unified

**Solutions**

- Simplify complexity: Diversified type of signals input to Phinx host, and output to types of displays






**Complex**

**Messy workspace**  
With multiple PC and keyboards, mouse for one operator-Like a spider web


**Solutions**

- Smart Workspace: multiple OS with multiple extended desktop can be accessed by one mouse +keyboard;
- Seamless switching: Extremely Seamless switching by OSD and hot-key, Innovative Cross monitor switching by mouse;
- User can access unlimited server remotely or locally, with your valuable asset stored in server room securely.



**Nearly zero latency**

The end-to-end latency is within 0.004 seconds, perfect user experience-Graphics, data information can be accessed real timely, so that the decision can be transmit to operator instantaneously.



**Video Wall Control**

Built-in video wall control feature for LCD, LED and DLP screens, with visualization management platform.




**Intelligent human-computer interaction**

OSD menu provides intelligent and convenient operation experience for human-computer interaction, and can achieve efficient visual management and control without any other software .




**Secure and stability mechanism**

The redundant and hot-swap technology of the fiber KVM backup mechanism provides stable and secure system support for cooling systems, temperature control systems, power systems, load control, control boards, input/output boards and link redundancy



**Redundancy system hot standby**

System active/standby configuration can conveniently perform. Power failure of any host does not affect operation; it has high reliability even in very complex application environments.

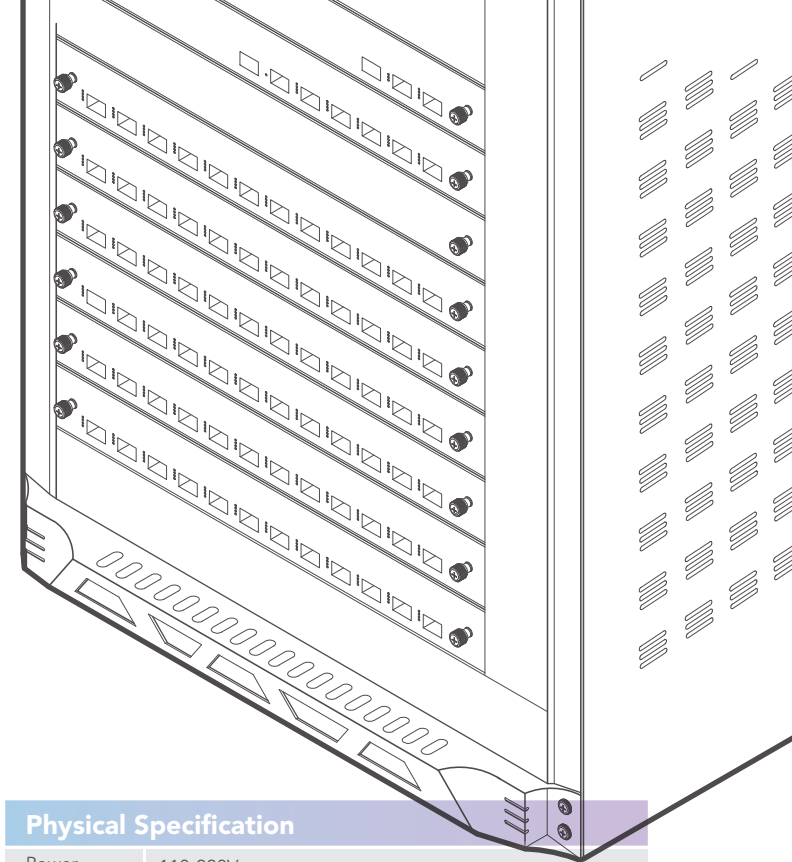


**Ultra-high-speed communication**

The communication speed is up to 6G, which can carry 4K lossless video signal transmission and processing.

Function description

- Seamless switching, no black screen, no re-synchronization, no delay, any resolution input to any resolution output;
- Any host can be easily configured for active/standby. Power failure of any host will not affect operation;
- Dynamic ports configuration technology, all I/O ports can automatically identify input nodes or output nodes without any configuration;
- Input node supports 2 channel 4K sources, both with backup, speed up to 12G;
- Output node supports 2 channel 4K30 or 2K60 output, both with a backup, speed up to 12G;
- Audio signal input and output are involved all fiber nodes;
- Hot-swapping is available for all fiber node; All ports are exactly the same, able to connect with any fiber node;
- Each fiber modular card supports 12-channel fiber optic signal, and uses advanced FPGA for data processing, with negligible delay and faster speed;
- The IP input modular card can decode 12-channel RTSP stream simultaneously, and preview all stream real-timely;
- Access to any server by hot key and OSD seamlessly;
- Workspace arrangement, permission setting, display setting, and status monitoring;
- Built-in video wall control feature for LCD, LED and DLP screens, with visualization management platform



### Physical Specification

|                       |   |
|-----------------------|---|
| Power                 | 110-220V  |
| Resolution            | Uncompressed image, with resolution up to 3840x2160@30Hz, including 1600P, 1440P, 1080p, lossless transmission with pixel-to-pixel  |
| Transmission Distance | 20KM  |
| Fiber                 | Single mode fiber   |
| Video Ports           | HDMI、DVI  |
| HID Ports             | USB type A(for mouse + keyboard)  |
| Backup Mechanism      | Any signal has redundant fiber output; the switching between the active and standby is not noticeable; Any two Phinx hosts can form a redundant system, automatically switching between the active and standby; |
| Interface of node     | Any fiber node has 2 signal input/output, and 4 fiber input/output and 2 USB input/output   |

### Physical Specification

|                   |                    |     |     |     |     |
|-------------------|--------------------|-----|-----|-----|-----|
| RU                | 6U                 | 10U | 17U | 20U | 27U |
| No. of ports      | 36                 | 72  | 144 | 288 | 576 |
| Protocol          | RS232 TCP/IP RS232 |     |     |     |     |
| Power Supply Unit | Redundancy PSU     |     |     |     |     |