

RK-DVX-Plus

16-PORT DVI-D AND
USB 1.1 EXTENDER FAMILY



16-Port DVI-D and USB 1.1 Extender

Extends up to 275 feet over STP Cable

The RK-DVX-Plus consolidates multiple DVX-Plus DVI-D/USB extenders into one manageable rack-mountable solution.



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FEATURES

The RK-DVX-Plus is the perfect solution for extending DVI-D and USB 1.1 signals to a remote location up to 275 feet away. It is the ideal way to consolidate up to 16 workstation computers into one location. The RK-DVX-Plus features dual DVI-D extension up to 275 feet over STP. It is fully compatible with MAC, PC and LINUX DVI standards.

The RK-DVX-Plus also features transparent USB 1.1 signal extension, with full support for all USB 1.1 devices and an integrated 4-port hub in the receiver. Flash Drives, Printers, Cameras, Scanners, etc. may all be used with the RK-DVX-Plus.

- Supports DVI-D single-link
- Supports Mac, PC, and Linux DVI
- Supports High Resolution 1920x1200 60Hz WUXGA
- Distance: 275 feet with two CAT6 STP cables
- Uses universal DVI Single Link connectors
- Zero pixel loss with TMDS signal correction
- DDC from internal table for Mac/PC
- Supports all USB 1.1 Devices Transparently (Flash Drives, Printers, etc.)
- Supports USB 1.1 keyboard and mouse
- Compatible with all operating systems
- Compatible with all major KVM switches
- Rack Mountable Solution
- Data recovery for digital video
- Supports 1.5 and 12Mbps data rates
- Plug-and-play



RK-DVX-Plus Rear



DVX-Plus-RX

The RK-DVX-Plus is designed to work in conjunction with the DVX-Plus-RX receiver unit. Up to 16 receivers may be used with the RK-DVX-Plus, depending on the application.



APPLICATIONS

MEDICAL FIELD

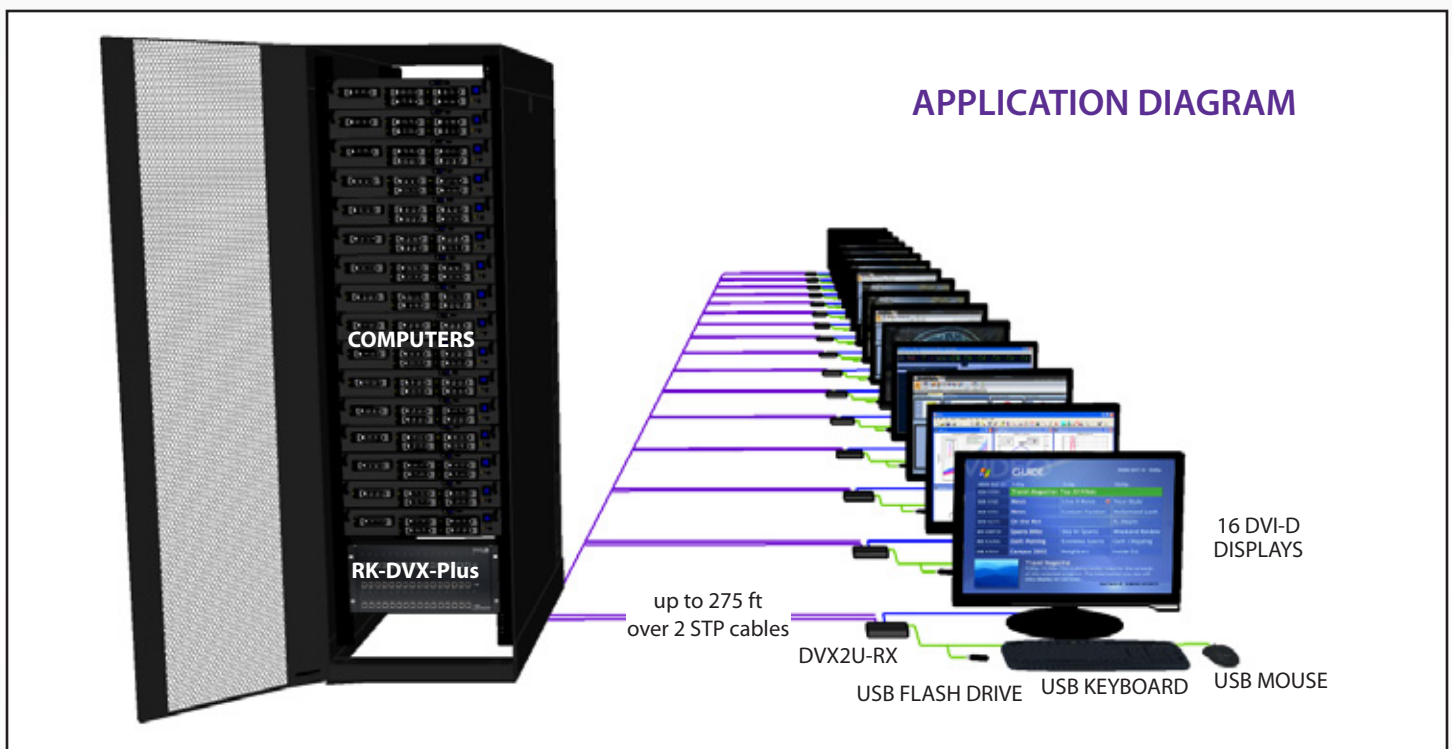
In the medical field where sensitive electronic devices are used, isolating workstation computers can be a matter of safety. The RK-DVX-Plus allows the workstation computers to be housed in a central location, away from sensitive devices.

INDUSTRIAL WORK AREAS

In industrial work areas that may be too harsh for a workstation computer, the RK-DVX-Plus can consolidate the computers into a safe location.

DIGITAL SIGNAGE

When it comes to Digital Signage, the RK-DVX-Plus is an excellent deployment option. With the RK-DXV2U, up to 16 digital signage devices can be centralized and secured from public access.



INFORMATION KIOSKS/DISPLAYS

As with most information booths and kiosks, there is a risk of damage or theft. The RK-DVX-Plus is the best way to secure computer hardware, by consolidating it to a secure location away from public access.

FILM/MUSIC RECORDING STUDIOS

When recording with sensitive cameras and microphones, computers are often too noisy to be used in the immediate vicinity. The RK-DVX-Plus isolates the computers into another room, maintaining the silence that recording artists require.

SPECIFICATIONS

| VIDEO | |
|-----------------------|------------------------------|
| Format | DVI-D Single Line |
| Maximum Pixel Clock | 165 MHz |
| Input Interface (TX) | 16 DVI-D 29-pin female |
| Output Interface (RX) | DVI-D 29-pin female |
| Resolution | Up to 1920 x 1200 @60Hz |
| DDC | 5 volts p-p(TTL) |
| Input Equalization | Automatic |
| Input Cable Length | Up to 20 ft. |
| Output Cable Length | Up to 20 ft. |
| USB | |
| Signal Type | USB 1.1 |
| Input Interface (TX) | 16 x (1) USB Type B (Female) |
| Output Interface (RX) | (4) USB Type A (Female) |
| OTHER | |
| Power | Internal 110-240 VAC |
| Dimensions | 17 in W x 7 in H x 3.25 in D |
| Weight | 10 lb |
| Operating Temp. | 0-55 °C (32-131°F) |
| Storage Temp. | -20-85 °C (-4-185 °F) |
| Humidity | Up to 95% |

| ORDERING INFORMATION | |
|----------------------|---|
| Part No. | Description |
| RK-DVX-Plus-TX4S | Powered Rack/Chassis with DVI-D/USB CAT6 STP Transmitter, 4 Card Package. Includes: [RK-DVX-Plus-TX4 and CCPWR06] |
| RK-DVX-Plus-TX8S | Powered Rack/Chassis with DVI-D/USB CAT6 STP Transmitter, 8 Card Package. Includes: [RK-DVX-Plus-TX8 and CCPWR06] |
| RK-DVX-Plus-TX16S | Powered Rack/Chassis with DVI-D/USB CAT6 STP Transmitter, 16 Card Package. Includes: [RK-DVX-Plus-TX16 and CCPWR06] |
| RK-DVX-PLUS-RX4S | Powered Rack/Chassis with DVI-D/USB CAT6 STP Receiver, 4 Card Package. Includes: [RK-DVX-PLUS-RX4 & CCPWR06] |
| RK-DVX-PLUS-RX8S | Powered Rack/Chassis with DVI-D/USB CAT6 STP Receiver, 8 Card Package. Includes: [RK-DVX-PLUS-RX8 & CCPWR06] |
| RK-DVX-PLUS-RX16S | Powered Rack/Chassis with DVI-D/USB CAT6 STP Receiver, 16 Card Package. Includes: [RK-DVX-PLUS-RX16 & CCPWR06] |
| DVXU-RXS | DVI/USB CAT6 STP Receiver. Includes: [DVXU-RX and (PS5VD2A)] |

Many leading companies have recognized and embraced the innovation of SmartAVI's technologies and have successfully incorporated them into their organizations. Clients of SmartAVI include:



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