CrystalView Extreme

KVM LAN Extender

Extend your high definition Video, keyboard, mouse, USB 2.0 devices, and audio over your corporate network LAN.

Can be installed as a standalone KVM extender with point-to-point CATx connections up to 330 feet.

Supports resolutions up to 1680 x 1050

Three USB port available on the receiver unit

Standard USB hubs can be used to increase the number of USB devices connected to a maximum of 13 and 4 hub levels.

Supports USB printers, scanners, hard drives, audio devices, touch screens, web cams, game controllers, and many more USB device types

Easy installation

Features and Benefits

- Supports HD video with resolutions up to 1680 x 1050

- Supports USB 2.0 (high-speed / 480 Mb/s), USB 2.0 and 1.1 (Full-speed / 12 Mb/s, and USB 2.0 and 1.1 (Low-speed / 1.5 Mb/s

- Extend your workstation to any location on your corporate LAN or direct transmitter to receiver connection up to 330 feet over CATx cable.

- 3-USB port available on the receiver unit

- Standard USB hubs can be used to increase the maximum number of connected USB devices to 13 and 4 USB hubs.

- Up to 500 mA of power is available at each USB port for powering high-power USB devices

- Plug-and-Play installation, no configuration needed.

- Support multiple systems on a LAN. (up to 30 on a 1Gbps LAN)

- Installation consists of:
  1. Connecting the receiver to your DVI monitor, USB keyboard and mouse, speakers and USB device(s)
  2. Connect the transmitter to your computer's DVI video port and USB port.
  3. Connect the transmitter and receiver to your network using standard CAT5 cable

Apply power and the installation is complete.

Transmitter requires a +5VDC power adapter
Receiver requires a +24VDC power adapter

The CrystalView™ Extreme Advantage

The CrystalView Extreme KVM extender is the extender of choice for extending your workstation to any location on your corporate LAN. You can fully operate and control all of your computer functions from anywhere on your network.

Access to your computer is made convenient in a variety of situations. You can locate users away from hazardous environments where the computer is located, locate devices away from areas vulnerable to theft, reduce noise and heat; increase desk and floor space.

If additional USB devices are needed, you can add up to 4 USB hubs to the three port receiver model and connect up to 13 USB devices.

The CrystalView Extreme extender supports all USB 2.0 devices. It is ideal for use in industrial control areas, digital signage, connecting LAN cameras for security systems, USB device printing, scanning and storage.
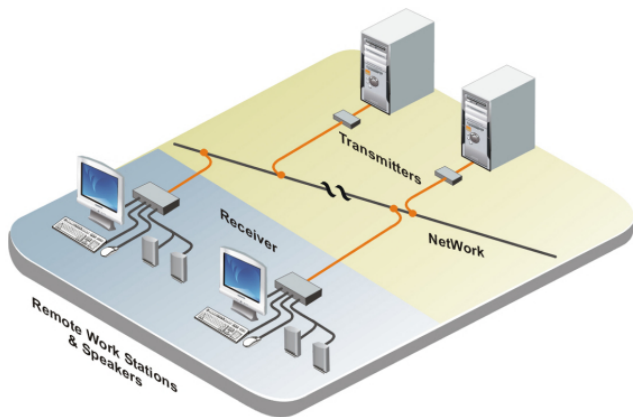
Audio installs as a USB CMEDIA device on Windows®, MAC®, and Linux®

Supports all major operating systems including:

Windows®, MAC®, and Linux®

Supports USB printers, scanners, web cameras, USB hard drives, flash drives, MP3 players and more.

ROSE ELECTRONICS

Typical Application

Control your designated computer from anywhere on your LAN
(Connection / communication is via MAC address - Transmitter to Receiver)

Overview
The CrystalView Extreme extender operates as a matched pair consisting of a transmitter unit and a receiver unit. The transmitter unit connects to your computer and the receiver unit connects to your workstation. The transmitter and receiver units are connected to your corporate LAN using standard CAT5 cable and communicates at MAC address level. The receiver unit supports up to 4 USB hubs for adding additional USB devices.

Installation
Installing the CrystalView Extreme extender is as simple as connecting the computer to the transmitter unit, connecting the receiver unit to your workstation equipment and connecting the transmitter and receiver to your LAN system with CAT5 cable.

Up to 30 CrystalView Extreme systems (Transmitter / Receiver pair) can be installed on your corporate network LAN.
(30 systems on a1Gbps LAN, 3 systems on a 100Mbps LAN)

The CrystalView Extreme can also be connected via a single CATx cable from the transmitter to the receiver for standalone KVM extension up to 330 feet.

Expanding with a USB hub
In addition to the three USB ports on the receiver unit, you can add up to 4 standard USB hubs to the receiver unit to access additional USB devices. Connecting 4 USB hubs to the receiver will increase the number of USB devices that can be connected to a maximum of 13 devices and 4 hubs.

Part Numbers
CRK-1DTXT-EX45/A1   Transmitter / Receiver Kit
RM-CRV-EX/19   RackMount Kit

Specifications

Dimensions	Width	Depth	Height
(in)	6.9	4.4	1.18
(mm)	175	112	30

Distance   Determined by LAN configuration (330 feet when installed in a point-to-point configuration)

Resolution   1680 x 1050

Connectors

Local   DVI-D (Video in)
USB Type B
Link RJ45
Power +5VDC, 3A power adapter

Remote   DVI-D (Video out)
3.5mm audio out (headphones)
3.5mm audio in (microphone)
Link RJ45
(3) USB Type A
Power +24VDC, 1A power adapter

Indicators

Transmitter   Pair – Button (Reserved)
Status – Green LED
Link – Green LED
Video – Green / Amber LED
USB – Green / Amber LED

Receiver   Pair – Button (Reserved)
Status – Green LED
Link – Green LED
Video – Green / Amber LED
USB – Green / Amber LED

Power   Transmitter +5V DC / 3.0A
Receiver +24V DC / 1A

Receiver output   500mA per USB output port (3) at each USB port.

Environment   Operating Temp. 32°F-122°F (0°C-50°C)

Approvals   FCC Class B, CE Class B, IC Class B

Transmitter

Receiver

Rear View