

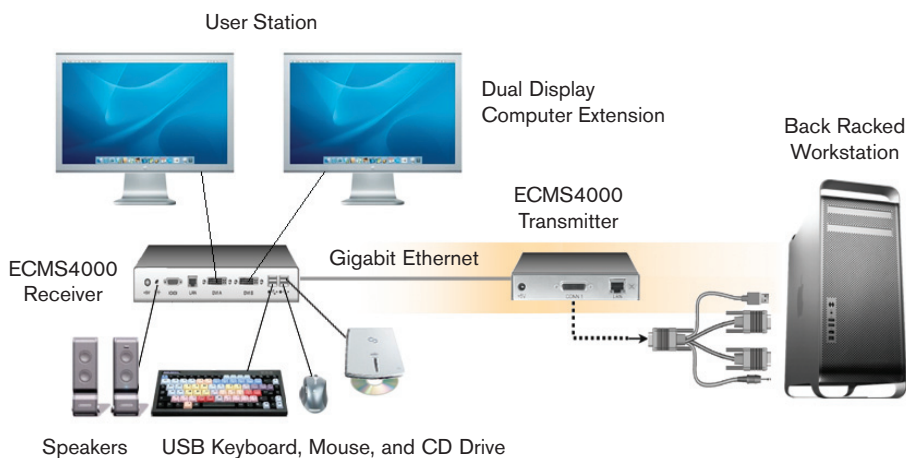
# Emerge® ECMS4000 Extender



## Managed digital workstation station extension

The Avocent EmERGE ECMS4000 extender delivers superior digital workstation extension across unlimited distances. Offering high quality crisp video and highly responsive mouse interaction, this network-based product also provides CD quality audio and seamless extension of USB mass storage devices. Media-intense applications such as video editing benefit from real-time user experience while mission critical media servers are securely maintained and managed. The EmERGE ECMS4000 extension product consists of a transmitter that features two DVI-D video, one USB, and audio output ports for connection to target computers, and a receiver that connects to peripheral devices and displays at each user desk.

The EmERGE ECMS4000 extender provides access from dual head workstations to user stations using point-to-point extension over an IP connection. The high quality extension provided by the ECMS4000 product is ideal for users who need a rich media dual video display experience while using TCP/IP as the transport protocol. The solution operates within the boundaries of a typical IP network.



*The Avocent EmERGE ECMS4000 extender can be used in applications that include high-finish noiseless work environments, such as post production edit suites. The solution supports dual-head DVI-D video sources, with two DVI-I video ports at the receiver. Each video channel supports DVI-D up to 1920 x 1200 at 60 Hz, and VGA up to 1600 x 1200 at 60 Hz.*

## FEATURES AND BENEFITS

- **Digital Desktop Over IP.** Provides quality high resolution video using cost-effective Ethernet cabling and networking devices. Delivers virtually unlimited extension distances.
- **Advanced Real-time Hardware Compression.** Frame-by-frame compression provides near-zero latency, with near lossless quality. Optimized to maintain 35 fps across two ports or 60 fps on one port. External hardware compression eliminates OS-specific software and drivers that consume precious server resources and introduce complexities that could cause servers to crash or hang.
- **DVI-I Video.** Digital DVI-D is supported at the server side. Digital and analog DVI-I is supported at the receiver side. Digital video delivers crisp image quality.
- **CD Quality Audio.** Provides CD quality audio performance for users with computer generated audio applications.
- **USB 2.0 Devices.** Supports the ever increasing deployment of USB only machines. USB keyboard and mouse are supported from end to end.
- **USB 2.0 Mass Storage.** Allows remote enumeration of USB mass storage devices such as thumb drives, CD drives, and hard drives.
- **Physical Separation of User from Target Device.** Provides increased security, simplified desktop support, and reduced downtime. Improves desktop environmental conditions such as noise, heat, and space.
- **Encryption of Network Data.** Ensures full security of user data using 128 bit AES encryption.
- **Ease of Integration and Installation.** Single wire between the desk and user station.

# EMERGE® ECMS4000 EXTENDER

## Technical Specifications

### ECMS4000: Transmitter Mechanical / Power / Environmental

**Size:** 7.87" (199 mm) D, 5.00" (127 mm) W, 1.06" (27 mm) H

**Shipping Weight:** 3.50 lbs (1.58 Kg)

**Power (DC input/current rating):** 5VDC / 1.1A

**Power Consumption:** 6W

**Operating Temperature:** 32°F (0°C) to 95°F (35°C)

**Storage Temperature:** -4°F (-20°C) to 140° F (60°C)

**Humidity:** 10% to 90% (Non-condensing)

### ECMS4000: Transmitter Features / Performance

**Connections:** (1) USB, (2) DVI-D, (1) stereo speaker jack, (1) RJ-45 network port

**Network Speed:** 100Mbps or 1Gbps

**Encryption:** SSL/AES 128 bit

**Performance:** USB keyboard and mouse, mass storage devices, stereo speakers 24 bit 44kHz, digital video up to 1920 x 1200 at 60 Hz

### ECMS4000: Receiver Mechanical / Power / Environmental

**Size:** 6.18" (157 mm) D, 8.15" (207 mm) W, 1.04" (26 mm) H

**Shipping Weight:** 4.20 lbs (1.91 Kg)

**Power (AC input/frequency):** 100 - 250 VAC / 50 - 60 Hz

**Power Consumption:** 20W

**Operating Temperature:** 32°F (0°C) to 95°F (35°C)

**Storage Temperature:** -4°F (-20°C) to 140° F (60°C)

**Humidity:** 10% to 90% (Non-condensing)

### ECMS4000: Receiver Features / Performance

**Connections:** (4) USB, (2) DVI-I (supports digital and analog video), (1) stereo speaker socket, (1) RJ-45 network port, (1) DB-9 serial port for console access

**Network Speed:** 100Mbps or 1Gbps

**Encryption:** SSL/AES 128 bit

**Performance:** USB keyboard and mouse, mass storage devices and all other USB peripherals, stereo speakers 24 bit 44kHz, digital video up to 1920 x 1200 at 60 Hz, analog video up to 1600 x 1200 at 60 Hz

### Standards

**Approvals:** cUL, UL, CE, FCC15 Class A

### Warranty

Two years

## Ordering Details

Part Number	Description
ECMS4000TU	Dual Video Extender Over IP Transmitter
ECMS4000RU	Dual Video Extender Over IP Receiver

### Accessories

DMK-02	Desk Mount Kit for ECMS4000 Receiver
MMK-01	Monitor Mount for ECMS4000 Receiver
790200	Rack Mount Shelf for ECMS4000 Transmitter Supports Three Transmitters



ECMS4000 Receiver



ECMS4000 Transmitter

The Avocent Emerge ECMS4000 extender provides real-time extension of dual video over Ethernet using a single CAT 5 cable. The extender also supports keyboard, mouse, mass storage, and CD quality audio over the same IP connection.



One Dambrackas Way, Sunrise, FL 33351  
TEL 800.275.3500 - 954.746.9000, Ext. 7110  
FAX 954.746.9101 - connectivity.sales@avocent.com  
[www.connectivity.avocent.com](http://www.connectivity.avocent.com)

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