

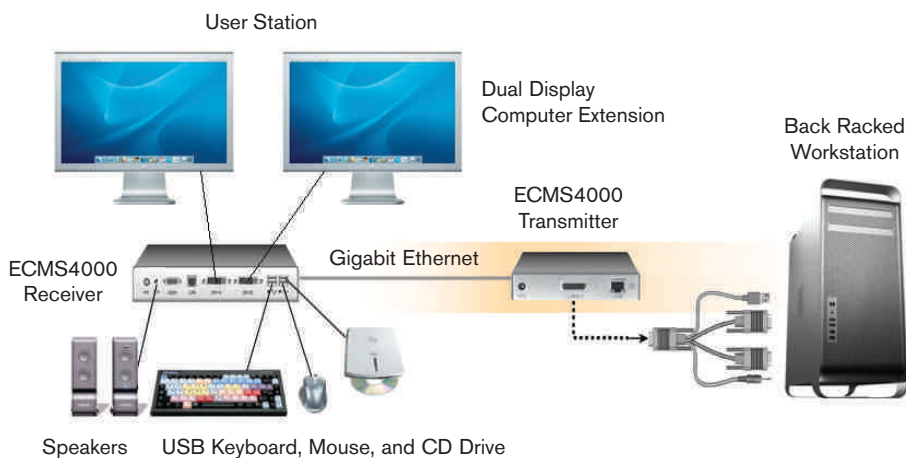
Emerge® ECMS4000 Extender



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

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