

Polycom® Vortex® EF2211

Single channel acoustic echo/noise canceller
with phone add



Benefits

It's easy to add phone calls – Includes atelephone hybrid with noise cancellation

Use the phone almost anywhere –

Through country-specific telephone configuration settings

Power where you need it – 10-Watt power amplifier for driving audio in the room

Highest possible audio quality between sites – Industry-leading acoustic echo and noise cancellation

Links with other Vortex models – Including EF2280, EF2241, EF2210, EF2201, plus other Polycom products

Easily add phone calls and improved acoustic echo cancellation to your rollabout or installed conferencing applications.

Existing conferencing installations will benefit from improved audio clarity and reduced noise, resulting in more effective communication between sites.

Polycom's Vortex EF2211 improves the overall audio quality of existing conferencing installations, and can also be used as a standalone system for individual sites. The unit is typically utilized in meeting rooms, along with one or more microphones and an automatic microphone mixer. A telephone interface with ambient noise cancellation can dramatically improve the receive audio quality on phone calls, and the 10-Watt power amplifier drives small loudspeakers in the room.

Because the EF2211 delivers robust acoustic echo and noise cancellation performance, it is often used instead of the video conferencing codec's microphone and acoustic echo canceller. Industry-leading, acoustic echo cancellation technology prevents received audio from being retransmitted to its original location. Patented noise cancellation algorithms dramatically reduce ambient noise in the audio sent to other sites. User-adjustable, neural network Automatic Gain Control (ACG) reacts only to valid speech patterns, bringing voices within desired levels. The EF2211 may be programmed directly or through Polycom's Conference Composer software (included). The unit may also be controlled via external RS-232 devices.

Make Great Things Happen with Vortex EF2211

In today's Internet driven world, the ability to conduct real time communication and collaboration has become critical to an organization's survival. As the market leader in voice, video, data and Web solutions, our award-winning conference technology makes it easy for people to interact and maximize productivity — over any network, in just about any environment, anywhere around the globe. That's why more organizations worldwide use and prefer Polycom conferencing solutions. Because when people work together, great things happen. See how you, too, can achieve great things with Polycom Vortex EF2211.

 **POLYCOM®**
TOGETHER, GREAT THINGS HAPPEN.

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VideoVoiceDataWeb

Polycom Vortex EF2211 Specifications

Dimensions

- 19" (483 mm) W x 9.6" (244 mm) L x 1.75" (45 mm) H (one rack unit)

Weight

- 4 lbs. (1.8 kg) dry, 5.5 lbs. (2.5 kg) shipping

Connectors

- RS-232: DB9F
- EF Bus In/Out: RJ45
- Telephone Line/Set: RJ11 (2)
- Control /Status: DB25F
- Audio: Mini (3.5mm) quick connect terminal blocks

Power

- External supply (provided)
- Input voltage of 110-240 VAC; 47-63 Hz; power consumption 25 W

Microphone Input

- -30 dBu to +0 dBu/ -66 dBu to -33 dBu, nominal; software selectable

Phantom Power

- 24 V, software selectable

Line Inputs

- -20 dBu to +0 dBu, nominal; software adjustable

Line Outputs

- -20 dBu to +0 dBu, nominal; software adjustable

Loudspeaker Output

- 10 W, 4-16 Ohms

Input Impedance

- >10 k Ohms

Output Impedance

- 50 Ohms (drives 600 Ohms)

Headroom

- 20 dB, nominal

Signal to Noise Ratio

- Line level, 0 dB gain: >85dB

Frequency Response

- 20 Hz - 22 kHz

Acoustic Echo Cancellation Span

- 270 ms

Total Cancellation

- >65 dB

Convergence Rate

- 40 dB/second

Noise Cancellation

- 0-15 dB, software selectable

Line Echo Canceller (telephone hybrid)

- Echo cancellation 40 dB, total >65 dB
- Convergence 30 dB/second; cancellation span 32 ms

Operating Temperature

- 0 ° - 40 °C

Control Inputs

- Contact closure

Status Outputs

- 5 V, 20 mA each

System Block Diagram and Rear Panel

