

Emerald GE Gateway

Simultaneous VM Sharing

Emerald® GE is the latest addition to the Black Box Emerald High Performance KVM Switching and Extension system connecting workstations with remote computers, servers, and virtual machines (VM) over an IP network. The Emerald GE gateway leverages PCoIP (Ultra) technology to give multiple users simultaneous access to the same virtual machine, while previously only one user at a time could access the same VM. Truly futureproof, Emerald GE is leading the way for more user comfort and team collaboration and more control rooms adopting RDP and PCoIP.

Emerald GE simply connects to the Emerald IP network. Each GE gateway allows up to eight Emerald users to connect simultaneously to a selected virtual machine. Removing the traditional 1-on-1 connectivity, GE improves collaboration and provides faster, more efficient productivity. Unlike with many IP KVM systems, there is no need for a transmitter when connecting to a VM. All Emerald receivers and the GE gateway incorporate the required VM licenses, reducing system complexity while saving costs on hardware. IT administrators can manage and monitor Emerald GE via central, user-friendly dashboards created using Boxilla® KVM management.

The Emerald IP KVM system provides remote users with a seamless desktop experience when connecting to physical computers, cloud appliances, H.264/265 video sources, or virtual machines (VM). Users obtain low latency real-time remote access with lossless pixel-perfect video up to 4K.

Benefits and Features

VM Sharing Fosters Better Collaboration

Works unobtrusively in the background to grant multiple users simultaneous remote access to a selected virtual machine

Interactive Remote Desktop

Emerald supports RDP, PCoIP, and PCoIP Ultra protocols to deliver a seamless and secure remote user experience with high-definition video

Simplified Workflows

Users can connect to both physical computers and virtual machines with the same experience as a direct connection

Centralized Control

Integrates with the Boxilla KVM Manager allowing central access management and system monitoring

Reduces Hardware Costs

Installs at any IP network node enabling VM sharing for all authorized users

Supports Dual Monitor Virtual Machine Sharing

when combined with DESKVUE or Emerald (SE/PE) dual-head receivers

Connection Diagram

