

Genea and Building Management Systems

On-demand HVAC helps commercial real estate teams save money and energy by automating after-hours heating and cooling.

How it Works

Building tenants request after-hours HVAC service from the Genea app on their smartphone. Once requested, the information is sent to a Genea device, which is connected to your building management system (BMS). The BMS then fulfills the request, delivering heating and cooling to the tenant.

About the Genea Device

The Genea device is about the size of a household internet router. It plugs into your BMS, allowing the Genea software to recognize important points within the building and communicate with necessary building protocols.

The device has two physical network ports. These ports are used to connect to the BMS if your networks are not already connected to the internet, are on separate networks or are serial communications-based (e.g., R2 232 and 485).

How the BMS & Genea Communicate

Once Genea's device is connected to the BMS, our platform uses override points to fulfill HVAC requests. Each point is preferably a separate point (binary value) that nothing else controls. Genea commands at Priority 8 (BACnet), Operator (Siemens & JCI), or Supervisor (Carrier).

Is the Internet Required?

Genea On-demand HVAC software functions without an internet connection within the BMS. However, our hardware requires internet connectivity for outbound communications. No inbound firewall ports are requested.

The device functions as a gateway to your BMS uses a small device that plugs into the building management system (BMS). The device acts as a gateway between Genea's platform and your BMS. with networked and non-networked building management systems (BMS).

Genea On-demand HVAC works with a wide variety of systems.



Supported

BACnet IP or Ethernet, Anything Siemens (System 600, Apogee, Desigo), Andover (NetController II, Infinity CX, Continuum), Schneider Struxware, Trane BCU or ES, JCI (NCM, NIE, NAE, NCE, FX), Tridium Jace (or clone of), Automated Logic (LGE, LGR), KMC OPC, iLon, Honeywell

Potentially Supported

iNet 7 (without Xenith 913), BACnet Arcnet (coax cable)

Not Supported

Barrington, Andover AC8 & AC256, DMS 3500, Honeywell XL



[Contact us](#) to speak with one of our engineers.