

Genea and Building Management Systems

A small Genea device acts as a gateway between our platform and your BMS. It allows the Genea platform to see the points in your system and works with your protocols to deliver overtime HVAC to tenants. The device has two network connections, allowing connection to the BMS networks that are either not on the internet or are on separate networks, as well as R2 232 and 485 for systems that are serial communications based. The device can be anywhere on the network.

Our device requires internet connectivity for outbound-only communications, no inbound firewall ports are requested. The EMS does NOT need to be on the internet for Genea's software to work.

Once connected, our platform uses override points to fulfill overtime HVAC requests. Each point is preferably a separate point (BinaryValue) that nothing else controls, with one point for each piece of equipment, system, or schedule. Our platform generally commands at Priority 8 (BACnet) or Operator (Siemens & JCI), Supervisor (Carrier).

Our platform can be as granular and specific as your BMS is, allowing you control at the floor, suite, or area level.

WHAT PROTOCOLS DOES GENE A SUPPORT?

Genea is designed to work with a wide variety of systems, including any BACnet IP & Ethernet (including BBMDs), Siemens S600 & Apogee, Carrier DDE, JCI Metasys DDE & XML, JCI serial, Lonworks, Modbus TCP & RTU, OPC, Andover Infinity, XML, Opto 22 Serial. See a detailed breakdown of supported and not supported protocols below.

SUPPORT	Anything 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 Xentha 913), BACnet Arcnet (coax cable)
NOT SUPPORTED	Barrington, Andover AC8 & AC256, DMS 3500, Honeywell XL

SECURITY

We maintain the highest levels of security for our software and hardware. The Genea platform communicates with the Genea on-site device via a 128 bit encrypted VPN tunnel. Our data center is SSAE-16, HIPAA, PCI, SOC 1, and SOC 2 compliant.

Have additional technical questions? [Contact us](#) to coordinate a technical call with our engineers!

Genea is designed to be system-agnostic, working with a wide variety of systems and set ups:

ALERTON

Andover Controls



Honeywell



SIEMENS



TRIDIUM