SkyCentrics Port Information for Enterprise-class Firewalls

For SkyCentrics devices to successfully connect to the SkyCentrics cloud service, they have to:

1. Be provisioned to a Wi-Fi network connected to the internet
2. Be registered to your account (create an account by logging in at www.skycentrics.com)
3. Be able to communicate on outbound UDP port 8556 and there has to be dynamic NAT configured on the router (either port restricted cone NAT or symmetric NAT will work; depending on the router, this is generally enabled by default). This is so that when the module sends a packet to the cloud (remote IP:8556) from its local IP:8557, the router establishes a mapping between these IP:port pairs (and in case of symmetric NAT it also generates a random external port number) and directs the traffic from the cloud to the appropriate device in local network.
4. Be able to communicate on outbound UDP port 123 for accurate time sync to the SkyCentrics NTP time server. This enables our devices to have their time and schedules be accurate.
5. Be able to use UDP broadcast, if local control is desired by mobile devices.
6. Be able to use TCP/IP communications over HTTPS, if Demand Response programs with utilities are desired through Open Automated Demand Response (OADR).