



REQUIREMENTS FOR LOCAL NETWORK COMMUNICATION BETWEEN SMA DEVICES

To prevent potential communication issues between SMA devices and their communications within the network, it is advised to meet the following hardware and network specifications.

Requirements:

SMA devices use a variety of multicast addresses* to communicate locally with each other. To ensure proper communication, the following internal network requirements must be met:

- A wired ethernet network is preferred for more robust communication.
- Any network switches used must fulfill the following minimum requirements:
 - 10/100 Mbit/s
 - Full Duplex
- IGMP Snooping should be disabled if the switches in the network either support or have the IGMP snooping feature enabled.
- Routers, switches, and any other communication devices located between one SMA device and another must support the IGMP v3.0/Multicast protocol.
- Routers and multilayer switches must be able to forward multicast telegrams (telegrams with destination address 239.0.0.0 to 239.255.255.255).

* If network components are not multicast-enabled, they will block SMA devices from communicating with each other. Certain devices, such as powerline adapters, WLAN extenders, or media converters, may not optimally support multicasting and could, therefore, cause communication issues.