

OPTO 22

Limited number of ports with the 'Listen for Incoming Communication' ioControl command

APPLIES TO

SNAP-UP1-ADS firmware
SNAP-UP1-M64 firmware
SNAP-UP1-S64 firmware
SNAP-LCE firmware
SNAP-PAC-S1 firmware

SYMPTOMS

If the *Listen for Incoming Communication* command in ioControl is used repeatedly with a different port number, eventually the command will return an error. The maximum successful calls to the command and error number returned, will vary based on the firmware and user application as far as the number of Ethernet communication handles already in use.

In currently available firmware for SNAP-UP1-ADS, SNAP-UP1-M64, SNAP-UP1-S64, and SNAP-LCE, the maximum is 64 with error "-49 No more connections are available. Maximum number of connections already in use."

The SNAP-PAC-S1 can open up to about 100 listening sessions and the SNAP-PAC-R1 can open up to about 75 listening sessions. Both return "-438 Could not create socket." The number of sessions is subject to available memory.

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RESOLUTION

The ioControl Command reference for this command will include the above information.

VERSIONS

The limitation exists in all versions.

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