

# What is the difference between Series 1, Series 2, and Series 3 hardware boards?

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## Question

What is the difference between series 3, series 2, and series 1 hardware boards?

Examples of these boards include the LNL-1100 and LNL-1200 alarm panels, and LNL-1300 and LNL-1320 reader interface modules.

## Answer

Some of the differences are listed below. For a complete list, refer to the appropriate Overview section in the Hardware Installation Guide.

- **Serial numbers**

Series 3 boards: greater than 2,000,000

Series 2 boards: greater than 650,000 and less than 2,000,000

Series 1 boards: less than 650,000

- **Color**

Series 3 boards are red.

Series 2 and series 1 boards are green.

- **LEDs**

Series 3 and 2 boards have LEDs mounted flush to the board. These LEDs are much brighter than the LEDs on series 1 boards.

Series 1 boards have LEDs shaped like small bulbs. The LEDs are dim and sometimes they are difficult to see when lit.

- **Address settings**

The LNL-1300 Series 3 has a switch block to set addresses.

Series 2 and series 1 boards set addresses with jumpers.

- **Firmware revisions** change for series versions of the same board model. This particularly applies to LNL-1300 and LNL-1320 reader interface modules. Consult the "Lenel Access Control Hardware" compatibility chart on the Partner Center, located at the following address, to determine correct versions of firmware:

<http://partner.lenel.com>

## Applies To

All OnGuard versions

## Additional Information

For a complete list and more details about the differences between series 3, series 2, and series 1 boards, refer to the Overview for each of the boards (LNL-1100, LNL-1200, LNL-1300, LNL-1320) in the Hardware Installation Guide.

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