

PingBoard



QCJ3

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Summary

I wanted a way to easily check the connectivity of nodes on my network and the connection to the internet.

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Tags: [electronics](#) [networking](#)

I wanted a way to easily check the connectivity of nodes on my network and the connection to the internet, so I created a network pinging device that pings nodes and show their latency. Each node's IP and corresponding thresholds are set in a txt file and loaded on an SD card.

Body is printed in Black Prusament PETG

Lenses are printed in White Prusament PETG

Parts needed:

- Multi color wire
- 1 Meter - 30/Meter Adafruit NeoPixel strand
- 1 Arduino Nano 33 IoT
- 1 Adafruit SD Card Reader

Files:

- Settings.txt - this is altered for your network and saved to the SD Card.
- PingBoard.ino - Main program
- Indicator.h.txt - Rename to Indicator.h. I cannot load “.h” files but it's need to address the columns as one.

I hooked up the SD Card detect pin but didn't code for it.

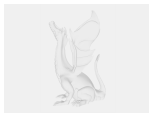
Model files



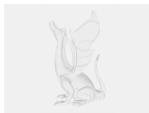
pingboard-frontpanel.amf



pingboard-backpanel.amf



pingboard-lense.amf

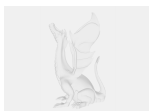


pingboard-blanklabel.amf



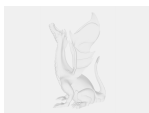
pingboard-labels.amf

Other files



settings.txt

☐ File altered and loaded onto an SD card



pingboard.ino

☐ Main program



indicatorh.txt

☐ Rename this file by dropping the ".TXT". Used to create a class for each column.

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