To prevent communication issues with the display, Daktronics recommends having reliable internet service. The recommended connection speeds vary due to many factors including poor connections, multiple displays, and isolated locations. The recommendations listed below are the minimum recommendations. Anything above these recommendations may improve content delivery speeds and display troubleshooting.

**Internet Speed Recommendations**

Daktronics recommends a reliable connection of at least 512 Kbps per display running static images as content. It is crucial that, when determining an internet connection, the internet provider provides reliable internet speeds of at least 512 Kbps. For displays not running static content, seek additional guidance on internet requirements from Daktronics.

**Best Practices**

Internet speeds and services may vary by region but Daktronics recommends the following:

- If getting internet through a cellular phone provider, test the site before agreeing to using a certain providers service because signal strength can vary greatly by provider.
- For cellular internet, verify that it is on a 4G or greater network.
- For cellular get at least a 5 GB per month plan (10 GB for back to back).
  - Since the webcam uses large amounts of data, a larger data plan is suggested if using the webcam frequently or for long periods of time.
  - A larger plan is also recommended if showing animations or videos on the display.
- If possible, no matter the internet type, plan ahead so it is ready when your display is installed.
- Close unused ports on the modem.
- Enable IP filtering to only allow connections from expected locations.
- Ask your provider to assign a public, static, unrestricted IP address.
  - Once assigned, forward that information to your Daktronics Project Manager for commissioning.