For standard text, links, or any form of string it would be easiest to send the data simply through a port in plain text, later we can encrypt the data, however, will still be plain text. For images a base64 converter would be useful, as it would change the image to a base64 string, which would be easier to send than just an image, as we could use the same IO stream run through the port.

This could be done through using the Base64 library in Java. The library has a couple methods for encoding an image to a Base64 string. From there the major move would be to develop a tag system to identify a string vs an image or other file type. This could then be expanded for full file encoding, however, I have only looked into strings.