CLAIMS

1. A method for communicating data packets, the method comprising:
at a client station:

establishing communications with a plurality of accessory devices;

determining that communications with a first accessory device of the plurality of accessory devices comprise time-sensitive communications; and

prioritizing, responsive to the determining, the communications with the first accessory device, wherein prioritizing the communications with the first accessory device is further in response to determining that the plurality of accessory devices comprises at least a threshold number of accessory devices.

2. The method of claim 1, wherein the communications with the first accessory device comprise Bluetooth Low Energy (BTLE) communications.

3. The method of claim 1, wherein determining that the communications with the first accessory device comprises time-sensitive communications further comprises:

determining that the first accessory device comprises a remote control configured to provide control input to the client station.

4. The method of claim 3, wherein determining that the communications with the first accessory device comprise time-sensitive communications further comprises:

determining that a microphone of the remote control is active for receiving voice commands.

5. The method of claim 3, wherein determining that the communications with the first accessory device comprise time-sensitive communications further comprises:

determining that the communications with the first accessory device comprise audio data.

6. The method of claim 1, wherein determining that the communications with the first accessory device comprise time-sensitive communications further comprises:

determining that the first accessory device comprises a stylus.

7. The method of claim 6, wherein determining that the communications with the first accessory device comprise time-sensitive communications further comprises:

determining that the stylus is in a low-latency mode.

8. The method of claim 1, wherein prioritizing the communications with the first accessory device further comprises:

scheduling one or more packets of the communications with the first accessory device during successive connection intervals; and

delaying one or more packets corresponding to communications with another accessory device of the plurality of accessory devices.

9. The method of claim 8, wherein delaying one or more packets further comprises:

delaying one or more packets of Wi-Fi communications between a Wi-Fi access point and the client station.

10. The method of claim 1, wherein prioritizing the communications further comprises:
by the client station:

determining that communications with another accessory device of the plurality of accessory devices comprise Advanced Audio Distribution Profile (A2DP) packets; and

pausing the A2DP packets until the first accessory device has completed transmitting its available data.

11. The method of claim 1, wherein prioritizing the communications further comprises:
by the client station:

determining that communications with another accessory device of the plurality of accessory devices comprise Advanced Audio Distribution Profile (A2DP) packets; and

reducing a data rate of the A2DP packets.

12. The method of claim 1, wherein the prioritizing the communications with the first accessory device comprises extending a data packet size for one or more BTLE packets of the communications with the first accessory device.

13. The method of claim 1, further comprising:

by the client station:

receiving a communication packet from the first accessory device; and

transmitting an acknowledgement packet in response to the received communication packet, wherein the first accessory device is configured to remain in an active state until receiving the acknowledgement packet.

14. A wireless station, comprising:

at least one antenna;

at least one radio configured to perform wireless communication with a plurality of accessory devices;

at least one processing element communicatively coupled to the at least one radio, wherein the at least one processing element is configured to cause the wireless station to:

establish communications with a plurality of accessory devices;

determine that communications with a first accessory device of the plurality of accessory devices comprise Bluetooth Low Energy (BTLE) communications communicating input from an interface requiring real-time response; and

prioritize, responsive to the determining, the communications with the first accessory device over communications with at least an other accessory device of the plurality of accessory devices, wherein the prioritizing is further in response to determining that the plurality of accessory devices comprises at least a threshold number of accessory devices.

15. The wireless station of claim 14, wherein the at least one processing element is further configured to cause the wireless station to:

delay one or more packets of Wi-Fi communications between the other accessory device and the wireless station to allow for scheduling of the time-sensitive BTLE communications with the first accessory device.

16. A non-transitory computer-readable medium storing software instructions executable by one or more processors of a wireless communications device, wherein the instructions are configured to cause the wireless communications device to:

establish communications with a plurality of accessory devices;

determine that communications with a first accessory device of the plurality of accessory devices comprise time-sensitive communications; and

prioritize the communications with the first accessory device, wherein the prioritizing is in response to determining that the communications with the first accessory device comprise time-sensitive communications and to determining that the plurality of accessory devices comprises at least a threshold number of accessory devices, wherein prioritizing the communications with the first accessory device further comprises:

scheduling one or more packets of the communications with the first accessory device during successive connection intervals; and

delaying one or more packets corresponding to communications with another accessory device of the plurality of accessory devices.

17. The non-transitory computer-readable medium of claim 16, wherein the instructions are further configured to cause the wireless communications device to:

determine that communications with another accessory device of the plurality of accessory devices comprise Advanced Audio Distribution Profile (A2DP) packets; and

pause the A2DP packets until the first accessory device has completed sending its available data.

18. The non-transitory computer-readable medium of claim 17, wherein the pausing the A2DP packets comprises pausing a function acting as a source of the A2DP packets.