

BLE vs. HID Keyboard Mode

BLE and HID are both popular methods of sending information between devices. Both can transfer info from scanned RFID tags, barcodes, weight data from scales, and more.

So what's the difference?

BLE: Bluetooth Low Energy, or Bluetooth Smart, reduces power consumption and cost while maintaining range

HID: Human Interface Devices input and output data to any device that meets HID protocol specifications

BLE *guarantees*

NO DATA LOSS

HID Keyboard Mode may

LOSE DATA

when the OS keyboard queue drops characters

BLE discovery and connect is up to

10x

faster than HID Keyboard Mode

BLE connects directly from the application with no set up from the device's Settings



NO TAP TO FOCUS

with BLE

(further prevents data loss)

HID Keyboard Mode cannot:

1. Send the command to trigger the action command of the device to scan, get weight, etc.
2. Change device settings
3. Support idChamp NF4 Smart Mode
4. Support idChamp NF4 PAC Profile Wizard