

Hublet operational description

The Hubet docking station contains a Power Supply, PCB, Raspberry Pi single board computer and optionally a barcode scanner or RFID card reader, and has slots for either 3 or 6 tablets. The docking station uses a 5V internal voltage to power a tablet locking mechanism, indicator LED lights and the Raspberry Pi computer through the PCB. Tablet locking/release and the lights are controlled by the computer.

The RFID reader (reading either 125kHz or 13.56MHz RFID tag) or barcode scanner are connected to the Raspberry Pi computer via USB 3.0, and they are used to read information from the customers, e.g. a library card, and the information is processed in the Raspberry Pi. The information can be sent to either the Hublet docking station owner's information network or Hublet cloud service via either 2.4GHz WLAN connection or Ethernet/LAN connection, depending on how the owner wants the dock connected. Through the interaction and information gotten from the server a tablet may be unlocked from the dock for the customer to use.