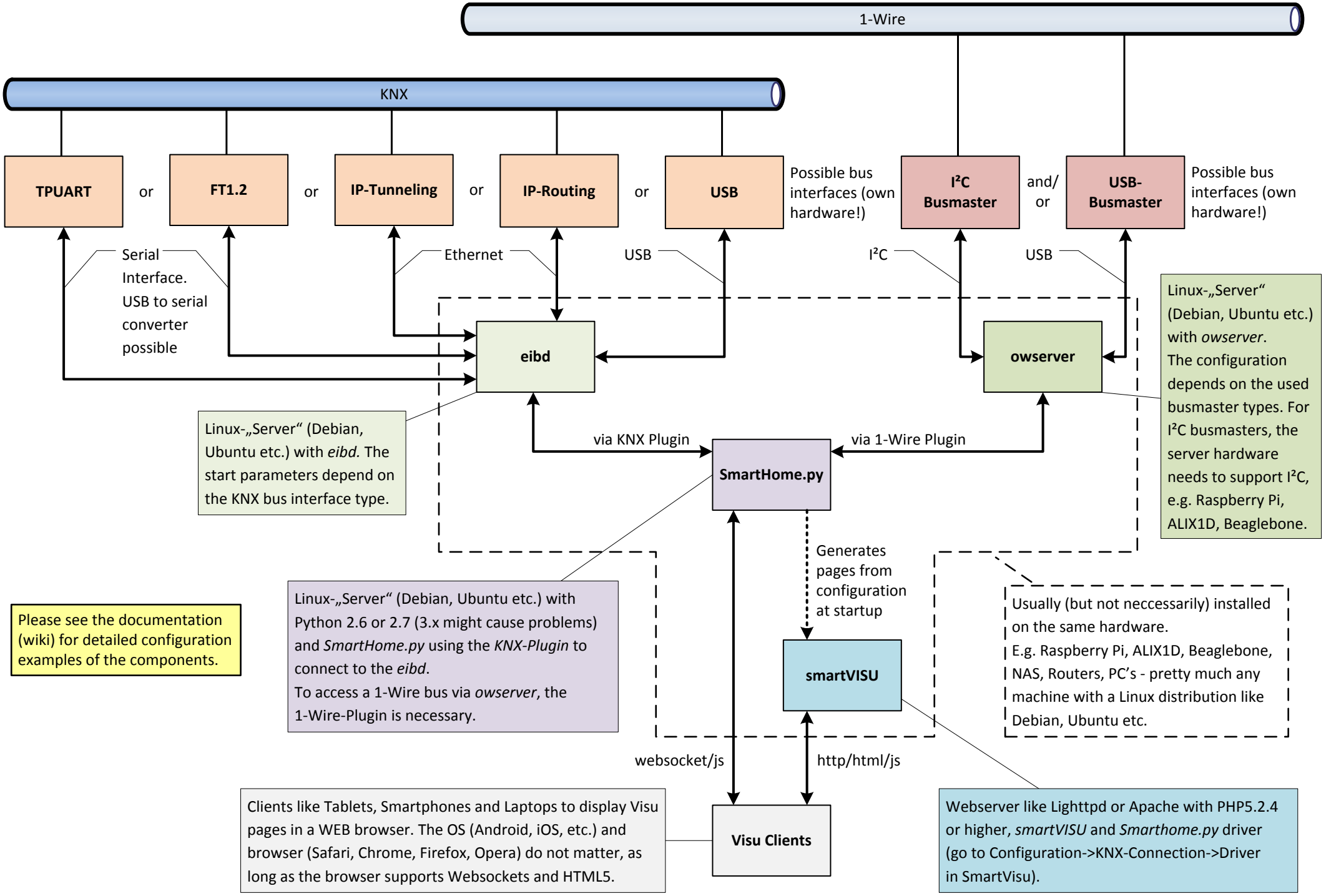
1-Wire
KNX
TPUART
or
FT1.2
or
IP-Tunneling
or
IP-Routing
or
USB
Possible bus interfaces (own hardware!)
I²C Busmaster
and/ or
USB-Busmaster
Possible bus interfaces (own hardware!)
Serial Interface. USB to serial converter possible
Ethernet
USB
I²C
USB
eibd
owserver
Linux-„Server“ (Debian, Ubuntu etc.) with *eibd.* The start parameters depend on the KNX bus interface type.
Linux-„Server“ (Debian, Ubuntu etc.) with *owserver*. The configuration depends on the used busmaster types. For I²C busmasters, the server hardware needs to support I²C, e.g. Raspberry Pi, ALIX1D, Beaglebone.
via KNX Plugin
via 1-Wire Plugin
SmartHome.py
Generates pages from configuration at startup
Please see the documentation (wiki) for detailed configuration examples of the components.
Linux-„Server“ (Debian, Ubuntu etc.) with Python 2.6 or 2.7 (3.x might cause problems) and *SmartHome.py* using the *KNX-Plugin* to connect to the *eibd*.
To access a 1-Wire bus via *owserver*, the 1-Wire-Plugin is necessary.
Usually (but not neccessarily) installed on the same hardware.
E.g. Raspberry Pi, ALIX1D, Beaglebone, NAS, Routers, PC's - pretty much any machine with a Linux distribution like Debian, Ubuntu etc.
smartVISU
websocket/js
http/html/js
Clients like Tablets, Smartphones and Laptops to display Visu pages in a WEB browser. The OS (Android, iOS, etc.) and browser (Safari, Chrome, Firefox, Opera) do not matter, as long as the browser supports Websockets and HTML5.
Visu Clients
Webserver like Lighttpd or Apache with PHP5.2.4 or higher, *smartVISU* and *Smarthome.py* driver (go to Configuration->KNX-Connection->Driver in SmartVisu).