



## Expertise on embedded Linux installation and use

### ***Linux BSP creation***

Our client, for a new product, wanted to reuse an existing, ARM9 based, platform but needed secure communications capabilities (VPN) and printing capabilities, local or remote, while keeping power consumption, the system is powered on batteries.

After a preliminary study, needed due to the board specific power control features (power gating) and low memory capacity available (two 8MB flash chips...), we ported the Linux kernel on the board, extending driver power management and setting up the Linux distribution to fit the very limited memory capacity.

### ***Expertise in maintenance and migration of a Linux embedded system***

Our customer, has developed an audio distribution system based on an i.MX31 chip (ARM11) on which he encounters various problems related to their Linux installation, subcontracted and for which they had no support. We help them on two points:

Trouble shooting the Linux port and specific customer-developped drivers

Assistance in the definition of a migration strategy to a newer platform based on an i.MX6 (Cortex/A9):

- Implementation of the hardware platform
- Linux Porting