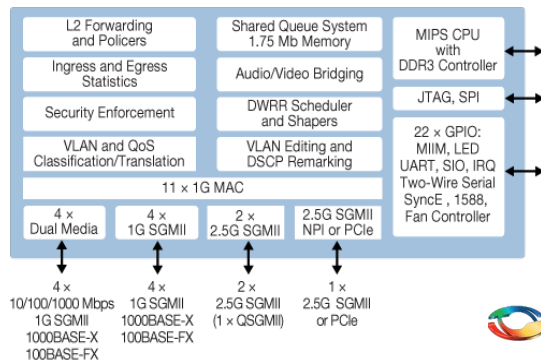




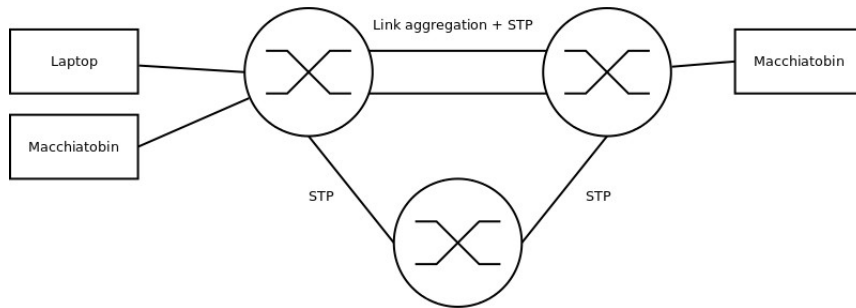
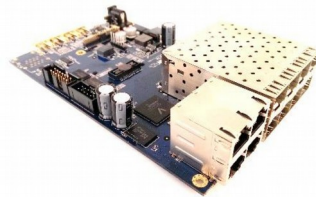
Upstream Linux kernel support for Microsemi switches

Alexandre Belloni

What is demonstrated



bootlin



What was improved

Bootlin developed and upstreamed:

- Platform support:
 - Interrupts
 - Pinmuxing, GPIO
 - UART
 - I2C
 - SPI
- Ethernet switch driver using the **switchdev** framework supporting hardware offloading of:
 - Bridging
 - STP
 - VLAN
 - IGMP snooping
 - Link aggregation

Standard linux tools (ip, bridge) are used to configure the switch.

Source code or detail technical information availability

<https://bootlin.com/blog>
<https://git.kernel.org/>

Hardware Information

Microsemi Ocelot (VSC7514) evaluation board with 500 MHz MIPS 24KEc CPU and integrated 10-port Gigabit Ethernet switch