

Enabling High-speed Serial Connectivity

For all your Timing, Signal Integrity & Connectivity Needs

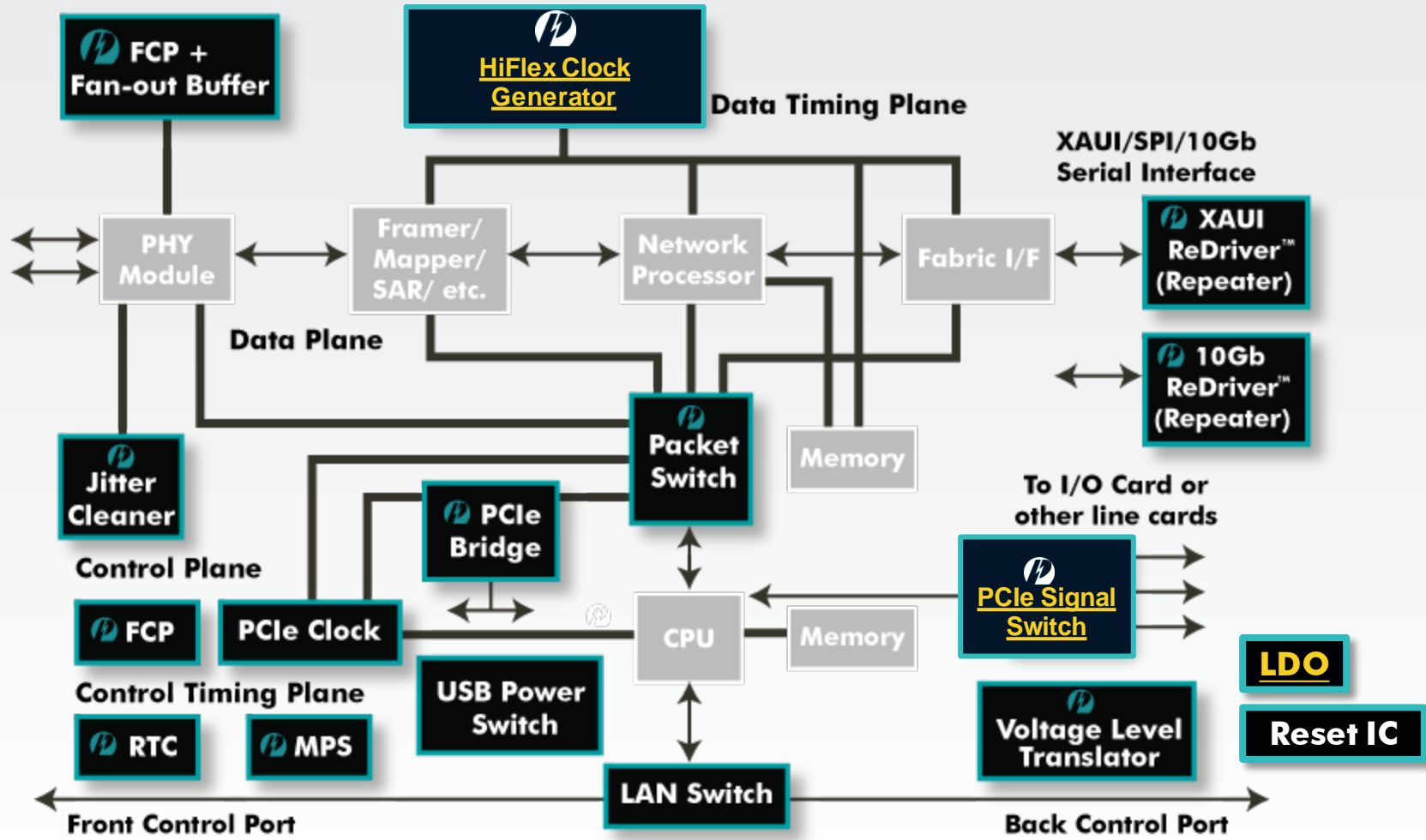
Networking/Telecom

May, 2015



Solutions for Networking/ Telecom

 = Pericom IC or Frequency Control Solution



Pericom Product Value Proposition

Over 20 years with Networking/ Telecom Customers

→ Total timing solutions – FCP + IC

- Vertical Integration – *True multi-source XO*
- Best performance – *Margins for system designs*
- User configurable timing IC – *Ease of board design*
- Cost competitive solutions – *Money saving*

→ Complete portfolio for high speed serial connectivity

- PCIe Packet switch and Bridge – *Efficient data throughput*
- Up to 12GHz ReDriver – *Better system performance*
- Signal Switch/ RTC/ LDO – *Another alternative source*

→ A focused Segment in Pericom

- Continuous investment in new product development
- Long term commitment for products and services

Pericom Products for Networking/Telecom

Crystals and Crystal Oscillators

- Ultra low jitter to support 1/10/40/100G Ethernet applications with < 0.1ps jitter
- Tight stability down to ± 10 ppm for calibration tolerance and temperature stability

Clock Generators and Clock Buffers

- Highly integrated clock tree solutions to support 1/10GbE and other timing needs
- Broad portfolio buffer family to fanout clock signals for all systems

PCI Express 1.0/2.0 Packet Switch/ Bridge, UART

- Multiple configuration PCIe Packet switch with low power, small footprint, and PCIe2 with clock buffer integration
- PCIe to PCI-X, PCI bridge option
- UART bridge with PCIe, I2C/ SPI, 8-Bit Bus

ReDriver™ & Signal Switch - XAUI, PCIe 1.0/2.0/ 3.0, 10GbE

ReDriver™

- x1, x4-lane configurations
- Adjustable & adaptive receiver equalization
- Highly configurable
- Low power per channel

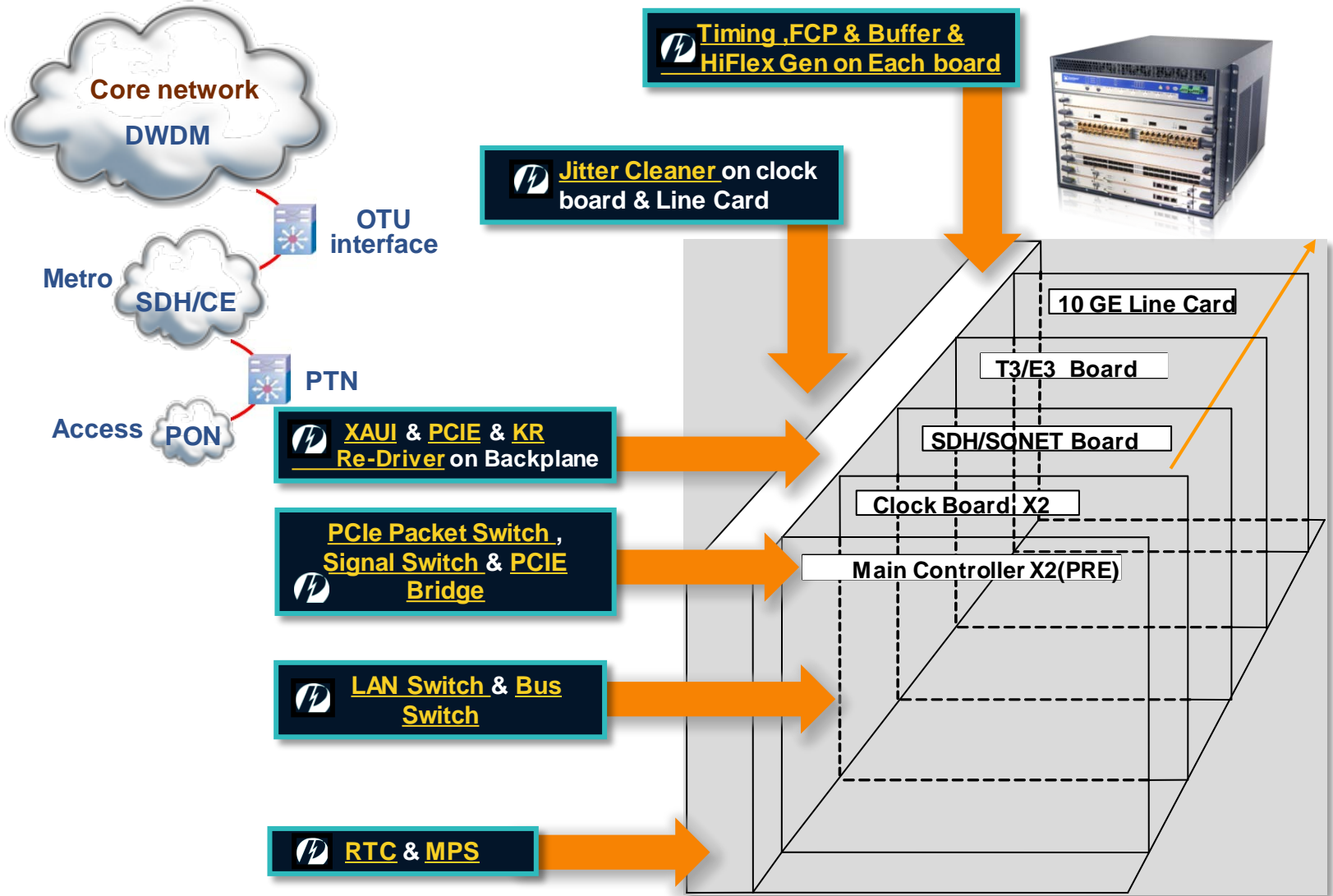
Signal Switch

- Low crosstalk/insertion loss/skew
- 2-lane, 2:1 mux/demux
- PCIe 3.0 @ 8Gbps
- SAS/SATA/XAUI @ 6.5Gbps

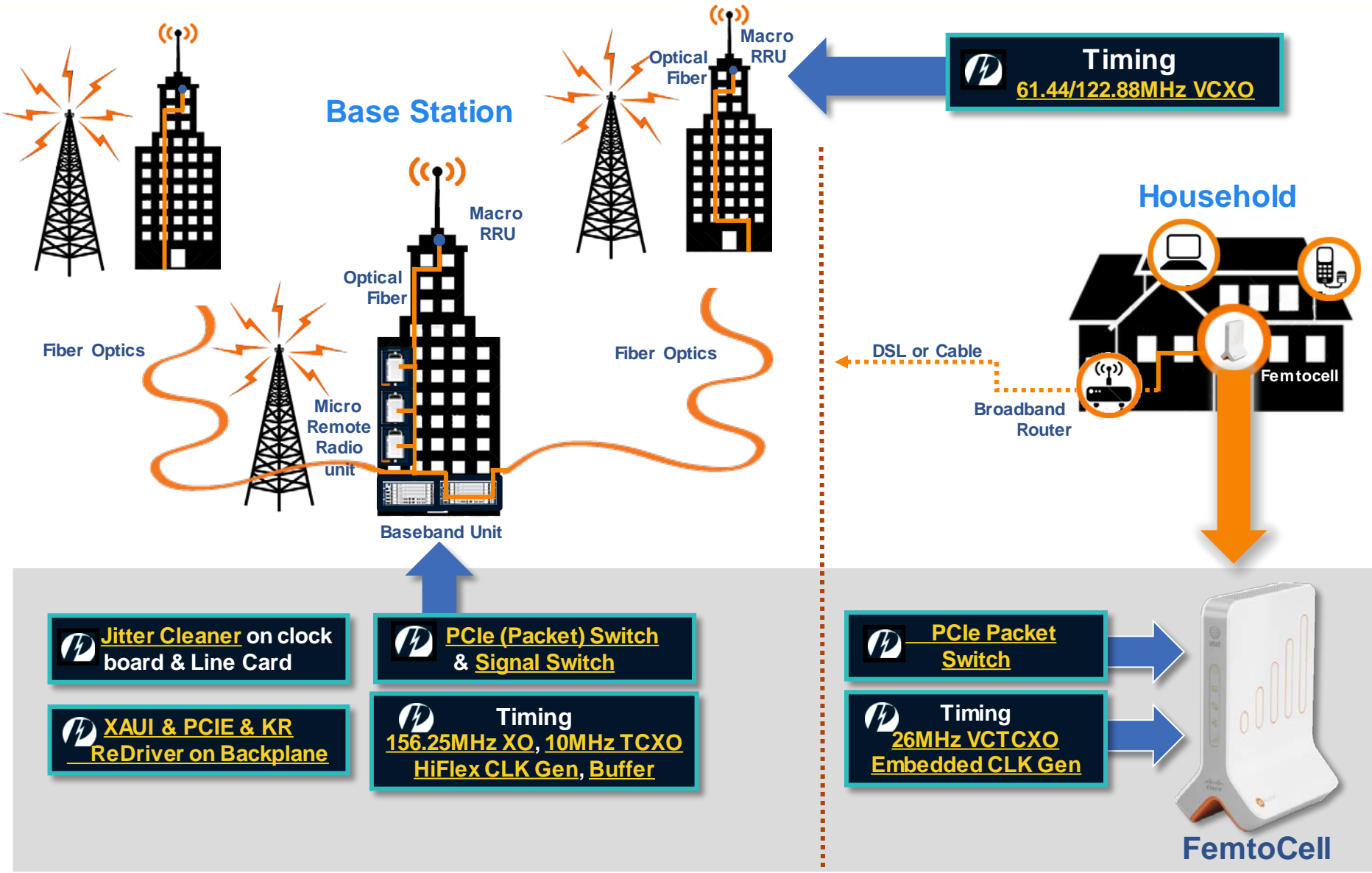
LDO, Reset IC and RTC

- Superior performance in small packages
- Significantly low current consumption

Pericom Offerings in Wired line Infrastructure

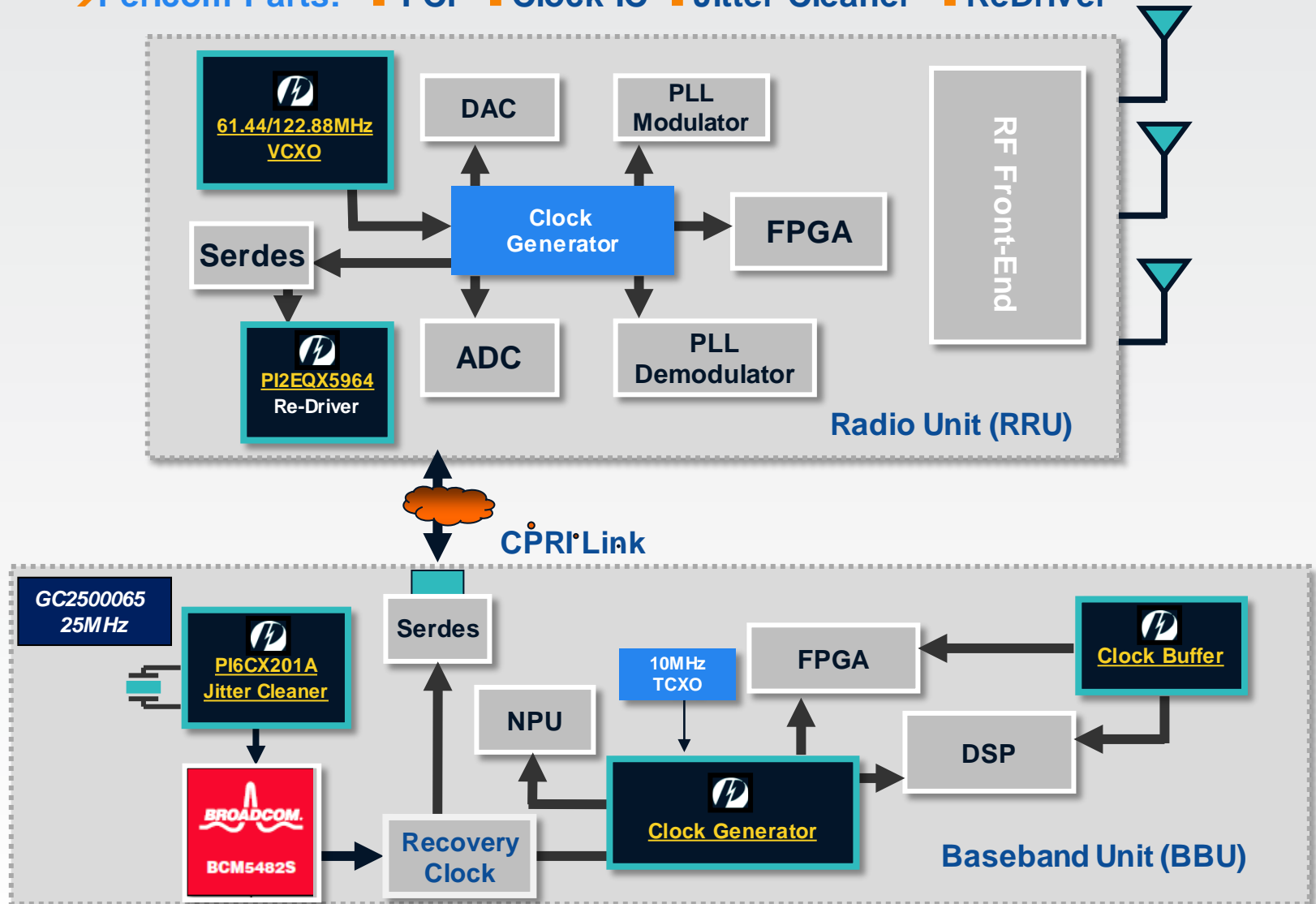


Pericom Offerings in Wireless Infrastructure

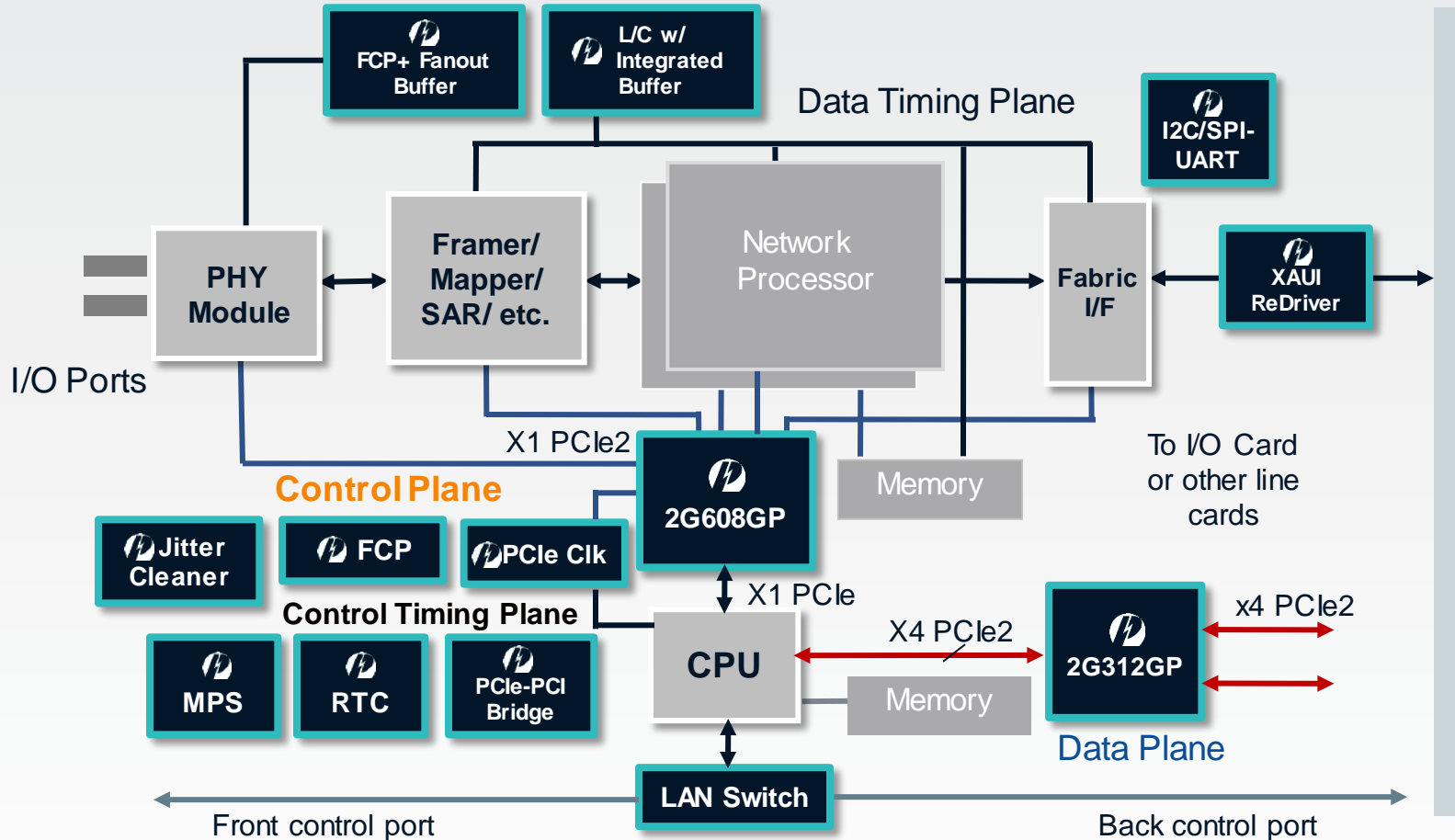


Pericom Solution in BBU + RRU in BTS (Sync-E)

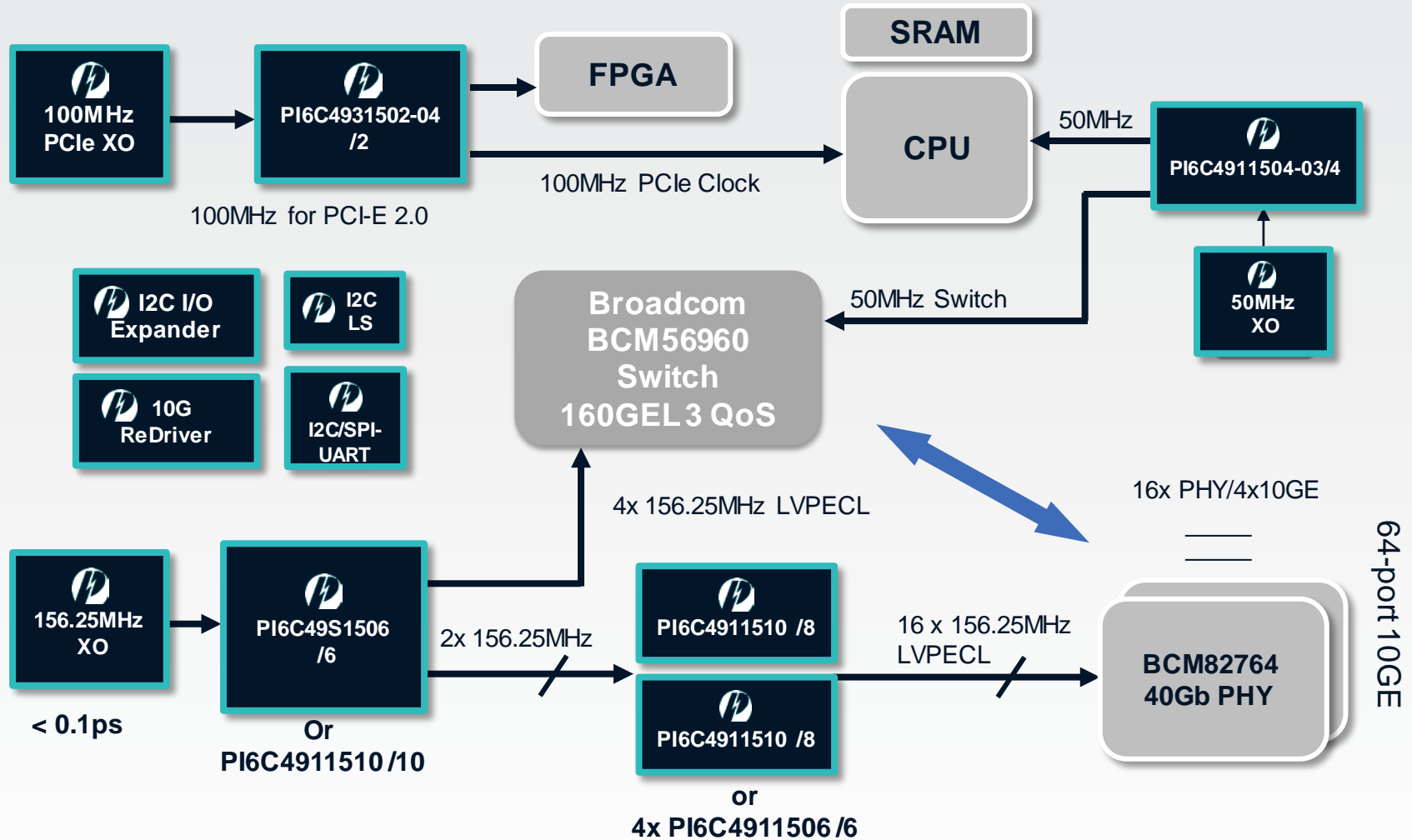
→ Pericom Parts: ■ FCP ■ Clock IC ■ Jitter Cleaner ■ ReDriver



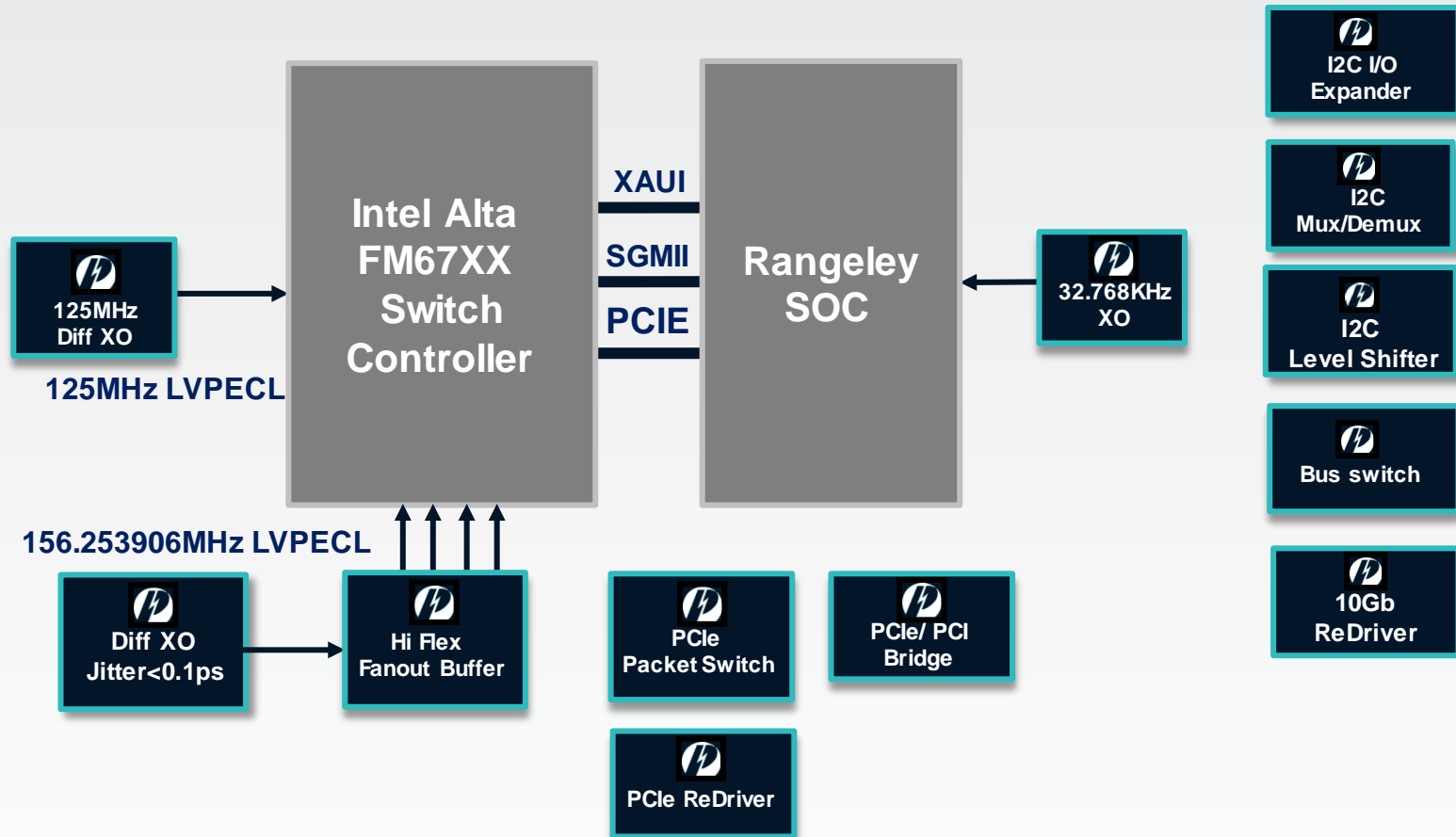
Application Example – Switch/ Router



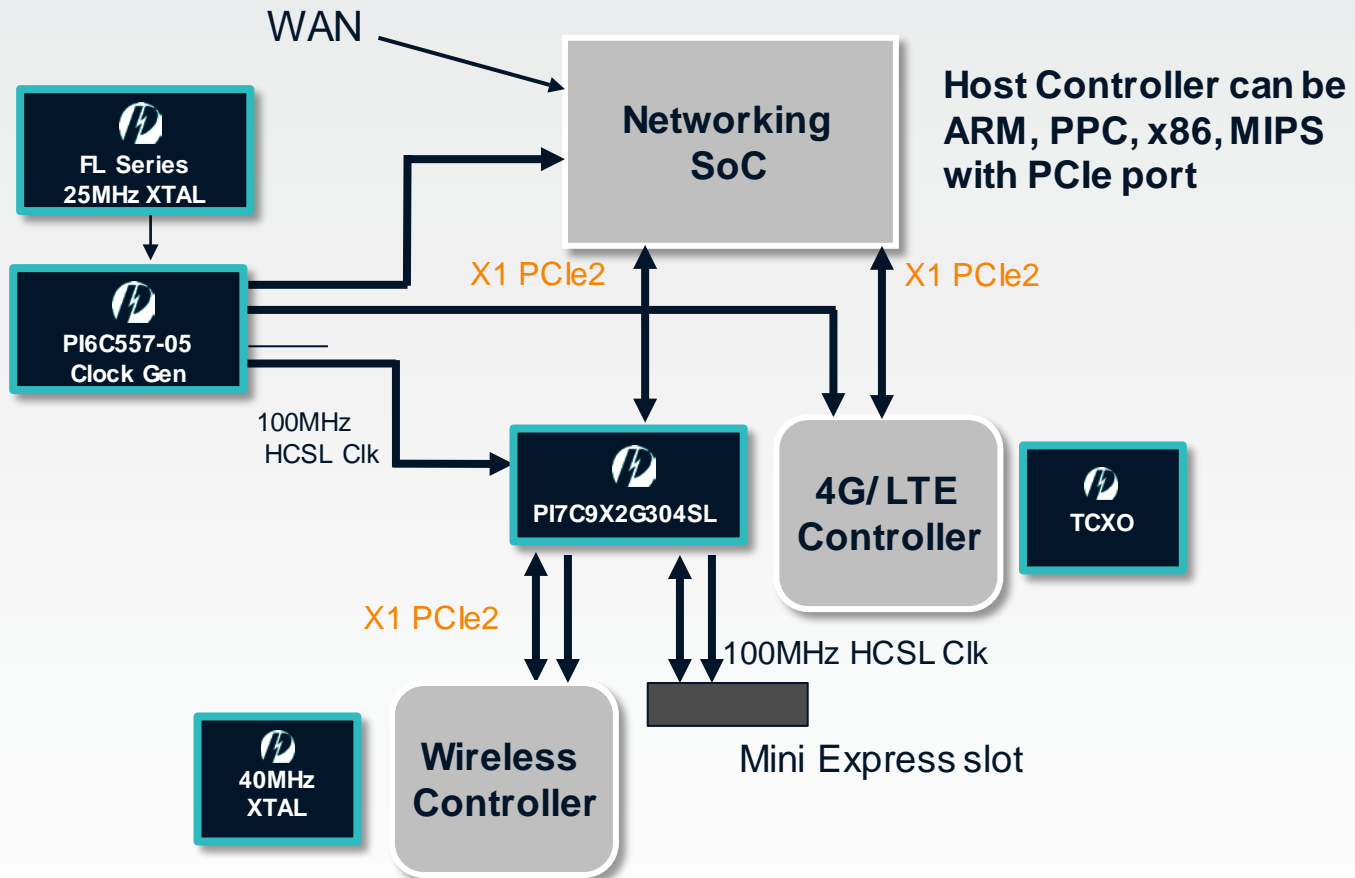
Application Example- 10/40GE Switch/ Router



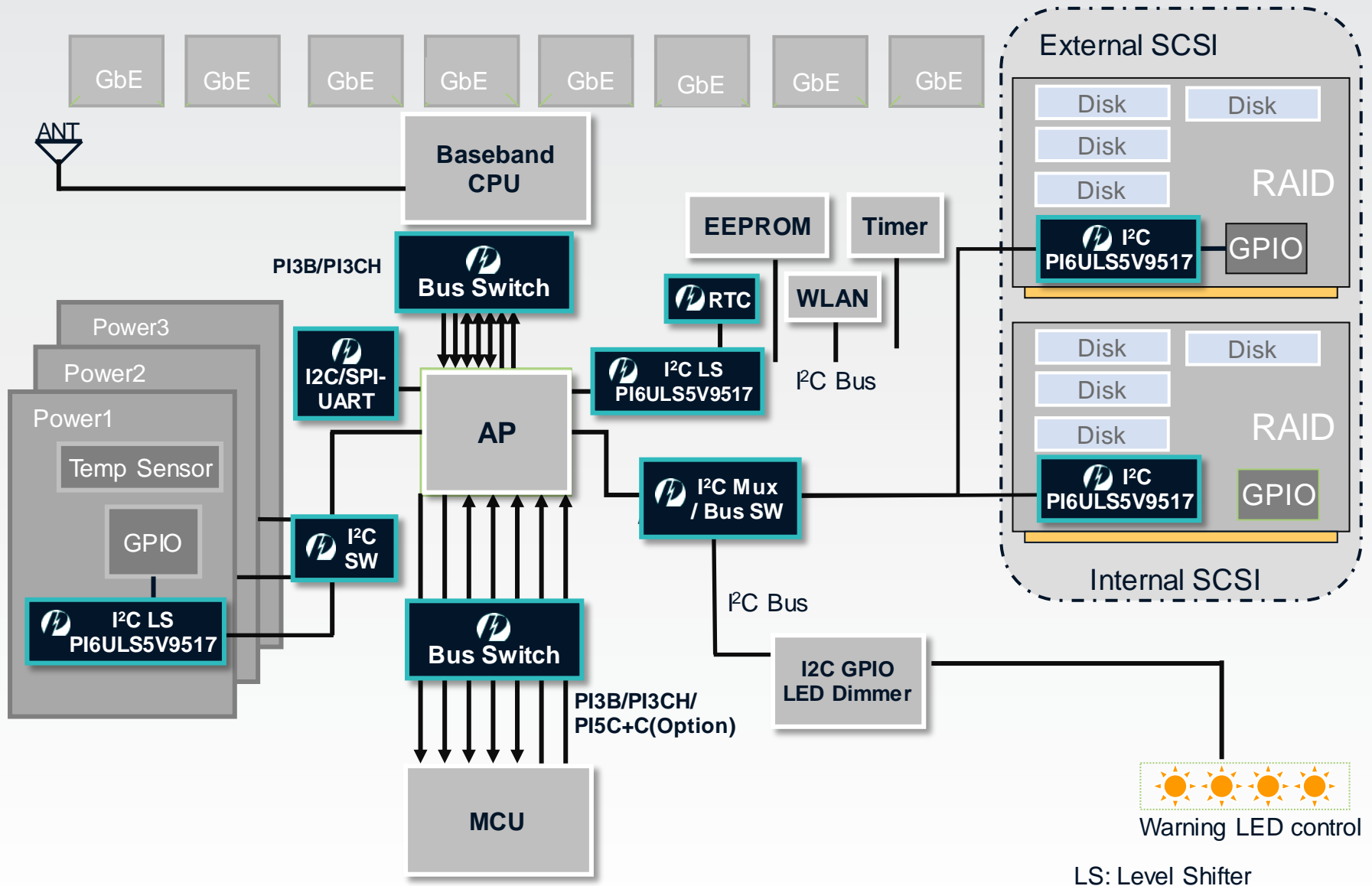
Application Example- Switch with Intel chipset



Application Example - Smart Home/Gateway



Application Example- LAN Switch/Router



The End

Thank You