

4 Port 10Gb Fiber Switch for Ethernet Layer 1,2,3

Baykal Technology, Inc.

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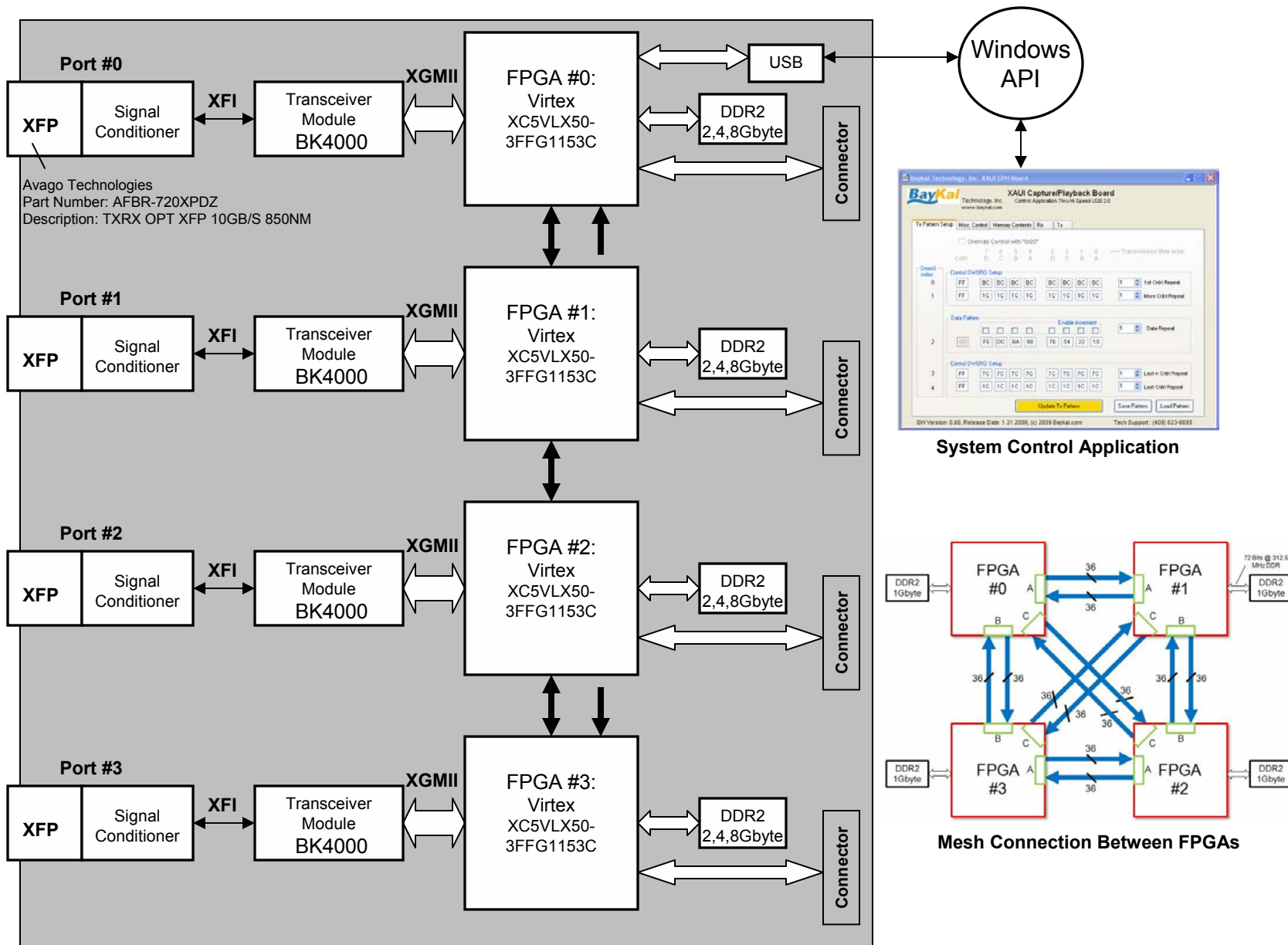
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10Gb/s Fiber 4 Port real-time Ethernet Layer 1,2,3 Packet Processing System

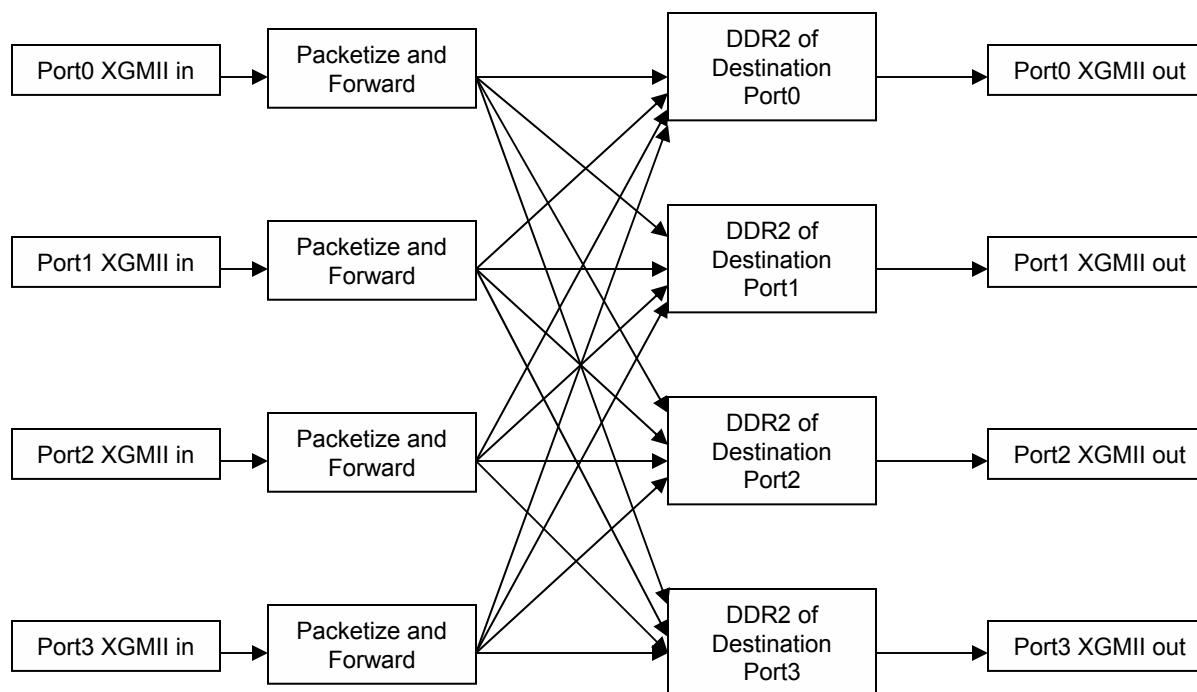


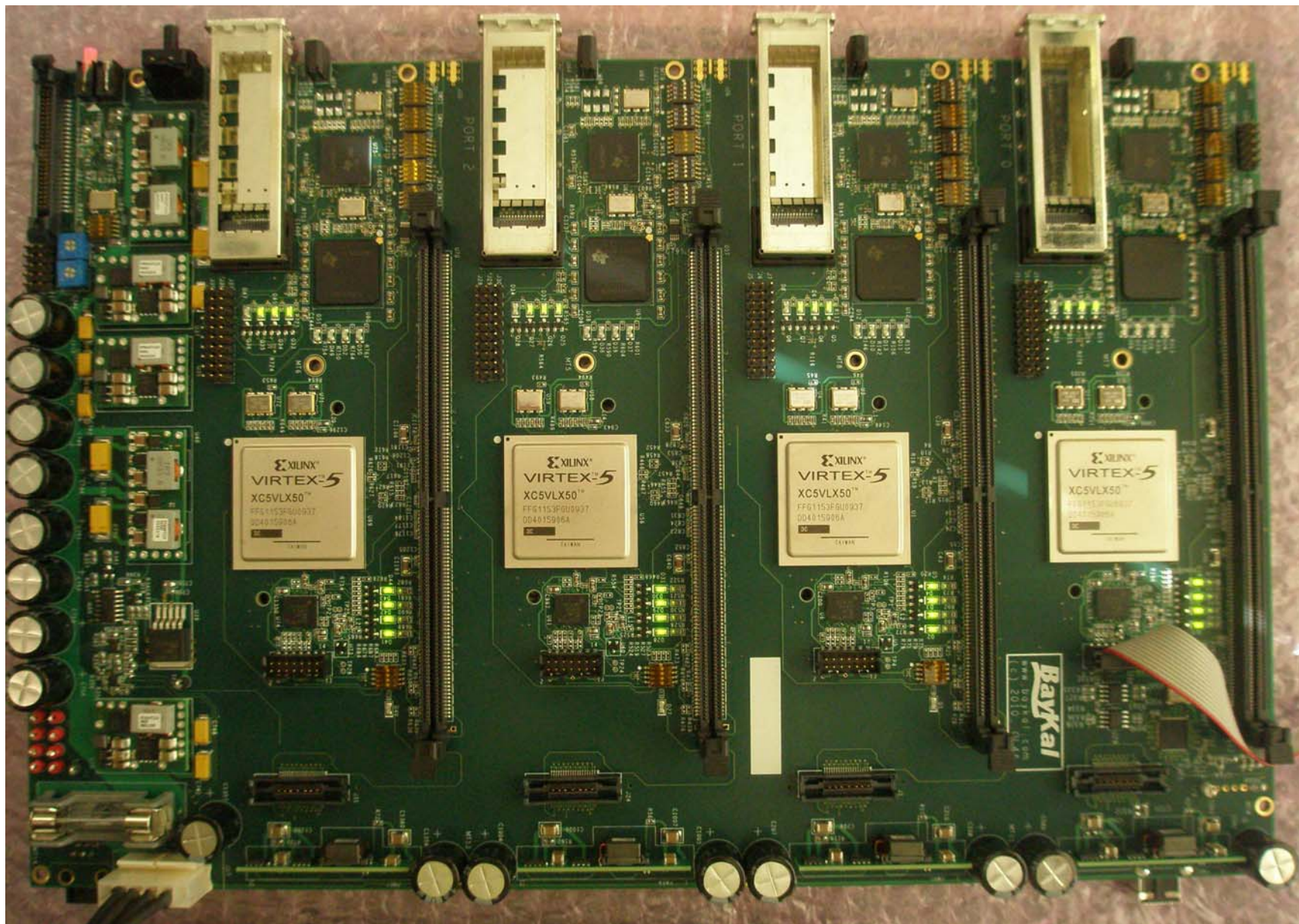
Per Port Bandwidth Calculations

| Input Frequency (MHz) | From Transceiver Module BK4000, input XGMII Bus width, Rx and Tx | Single or Double Data Rate | Max Input Rate for each channel (Mega Bits/s) |
|-----------------------|--|-------------------------------|---|
| 156.25 | 36+36 = 72 (Full duplex One Port) | 2 | 21458 |

| Memory Bus Frequency (MHz) | Bus width | Single or Double Data Rate | Memory Bus data rate (Mega Bits/s) |
|----------------------------|-----------|-------------------------------|---------------------------------------|
| 333 | 72 | 2 | 45731 |

Packet Forward Architecture





QL4A: Four Port 10Gb Fiber Switch for Ethernet Layer 1,2,3