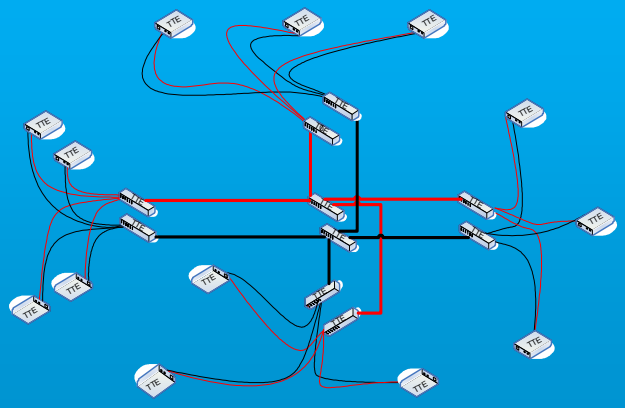
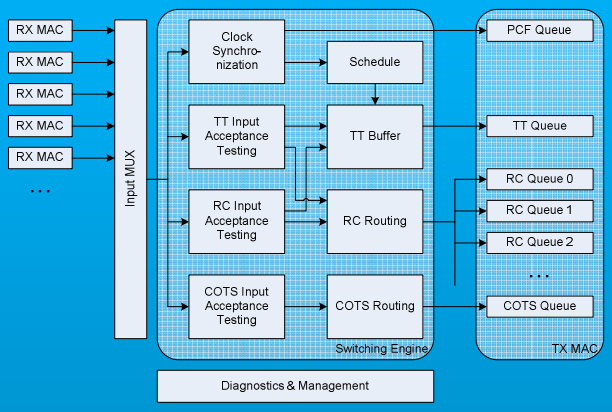
Hard real-time operation in Gigabit-Ethernet networks using FPGA-based TTEthernet IP

Fault-tolerant Synchronization in Complex Ethernet Networks

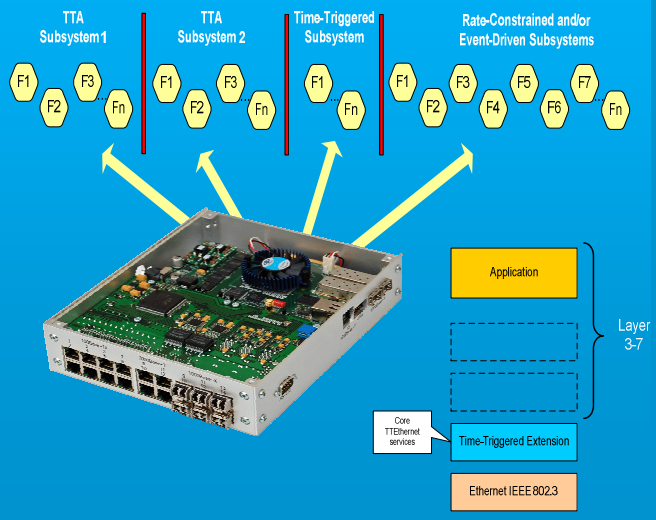


COTS TTEthernet Switch IP*

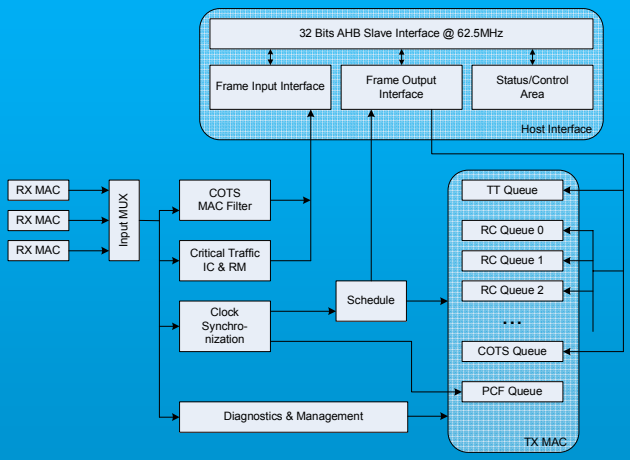


*Implementation example: Stratix II GX FPGA Family

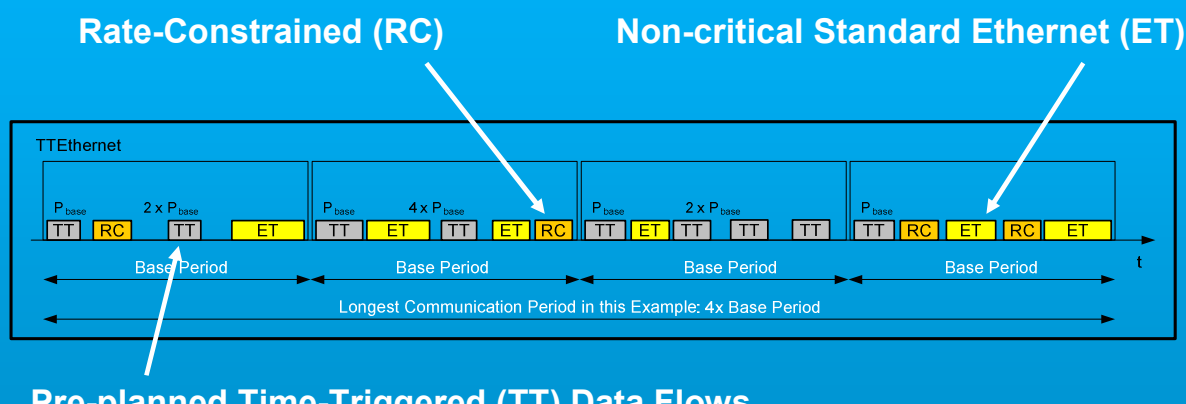
Robust Partitioning among Distributed System Functions



COTS TTEthernet Controller IP*



TTEthernet Principle: Compatible with COTS Ethernet Hardware



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