PMC-Sierra 6Gb/s SAS Storage Chipset: SAN Application Example

**Tachyon FC Controller**
PM8032 - QE8
Terminates FC connection from SAN

**Tachyon SAS Controller**
PM8001 - SPC 8x6G
Initiates SAS traffic to attached HDDs

**maxSAS SAS Expander**
PM8004 - SXP 24x6GSec
PM8005 - SXP 36x6GSec
Connects multiple HDDs to the SAS controller

**SATA Active-Active Multiplexer**
PM8307 - SPS 3GT
PM8303 - SPS 3GTS
Provides two redundant ports for a SATA HDD

**I/O Modules (2)**

**Microprocessor (uP)**

**Power Supply A**

**Power Supply B**

**Mid-Plane**

**SATA Dongle**

**SAS or SATA HDDs**