Figure 1: New Technology Required for the Next-Generation Network

New Architectures/Technology Required for Multi-Service Convergence

- Micro-OTP (µ-OTP)
- Optical Transport Platform (OTP)
- ROADM

Figure 1

PMC-Sierra
Figure 2: Any-Service, Any-Rate, Any-Port Muxponder for ROADMs/OTPs

- High density solution with >50% BOM cost & power savings vs. discrete solutions
- Packet interface provides optional support for L2 services, such as Ethernet aggregation
Figure 3: Multi-Service Line Card for OTPs

- On-chip SONET/SDH and ODUk grooming and ODTUk multiplexing
- Unmatched flexibility to map traffic into STS-ns or ODU-ks
- Packetized OTN system interface to allow connectivity to a packet fabric
Figure 4: Micro-OTP (µ-OTP)

• **HyPHY family enables the most feature-rich Micro-OTP aggregation platform**
Figure 5: HyPHY 10G/20G for ROADM and OTPs
Unprecedented integration:
- Support for OTU1, 10GE, SAN, Bit-Transparent Clients
- Support for any-rate, any-service flexibility
- Carrier Ethernet capability – Packet Timing & OAM
- 50%+ power reduction