4 Fiber Very Short Reach 10GBE

s Contributors:

- AMCC
- Sun Micro
- HP
- Mitel
- Stratos Lightwave
- Alvesta
- Chip 2 Chip

Application Space

s Parallel fiber Links will operate up to 300m (50 um MM fiber) but main application space should be <100m.

s From the reflector:

- 66% of applications are 2-20m

- Citgo example showed 50% of GE connections in a typical installation were <25m.

- SAN applications typically have a higher percentage of short distance connections than LANs.

- As distances get longer, cost is less of an issue.

High Bandwidth *Silicon* Connectivity

May 1, 2000

Complexity comparison

- s Parallel fiber is Directly compatible with SUPI and XAUI. (No SERDES required)
- s Parallel fiber doe not require WDM filters (Lower power, less complexity)

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Short Reach PMD Comparison
(Assuming Deployment in Q1 2001)

	Parallel Fiber	CWDM	WWDM	850mm Serial
SERDES - required	None	None	None	Yes
Filters (WDM)	None	Yes	Yes	None
Controlled Launch	None	Yes	Yes	Yes
Other Standards	FC, Infiniband, OIF	OIF, FC		OIF
Laser Costs	Lowest	Lower	Highest	Medium
Time to Market	Now	January	?	January
# of Fibers	8	2	2	2