

Longer Reach Multi-Mode

A System Vendor's Perspective

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A System Vendor's Perspective

- We would like an option for longer reach (200-250m)
- Would prefer one PMD but open to a solution with two PMDs
 - With one PMD, longer reach could be enabled by OM4 fiber for example
 - Open to a small cost increase to get a single PMD with longer reach
 - We assume a single PMD would concentrate volume and have cost benefits to all reach applications

A System Vendor's Perspective

- We are concerned about operational simplicity
 - We want a solution where the installer can readily identify if longer reach is supported by a particular port on a given device
 - Optional FEC or EDC on the linecard for instance would not meet this goal
 - A 2nd PMD for longer reach *might* meet this goal
 - Getting a longer reach by using OM4 on a single PMD would meet this goal
 - A long table of options for longer reach which complicates installations and system designs does not meet this goal
 - Would prefer to not add functionality to linecards to support specific PMDs
 - FEC or EDC on all linecards just for longer reach on a single PMD is not preferred
 - This may not be an issue as technology matures, but more of an issue early on