



# LRM Benefits Overview



# New IEEE Optical Standard Enables Cost-Effective 10 Gigabit Ethernet Adoption

- Over 80% of the fiber deployed on the campus and in building backbones are multimode fiber (MMF)

To cost effectively upgrade from 1 gigabit to 10 Gigabit Ethernet using the same cabling plant requires a new optical interface

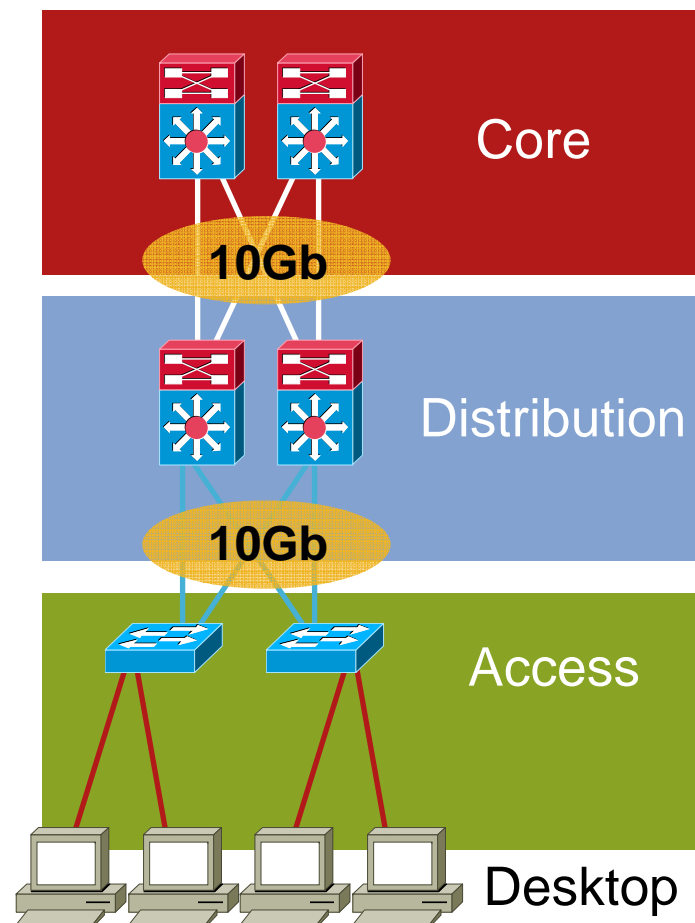
- The new IEEE optical standard, IEEE 802.3aq, addresses this issue by:

Supporting distances of up to 220m on all grades of MMF

Lowering power, heat, and latency

Allowing customers to use their existing MMF fiber cabling

- Cisco is the first in the industry to offer a 10GBASE-LRM (Long Reach Multimode) optical interface for use in campus networks and in data centers with legacy MMF



# Accelerating 10 Gigabit Ethernet Adoption in the Campus

- The Cisco X2 10 Gigabit Ethernet LRM Optical Module is fully compliant with IEEE 802.3aq
- Supported in the Cisco Catalyst® 6500 Series, Cisco Catalyst 4500 Series, and Cisco Catalyst 3750-E Series
- Completes the Cisco 10 Gigabit Ethernet portfolio for MMF
- Fraction of the cost of existing 10 Gigabit Ethernet optics
- Drives down the price per port for a 10 Gigabit Ethernet deployment



**Cisco X2  
10 Gigabit Ethernet  
LRM Module**

