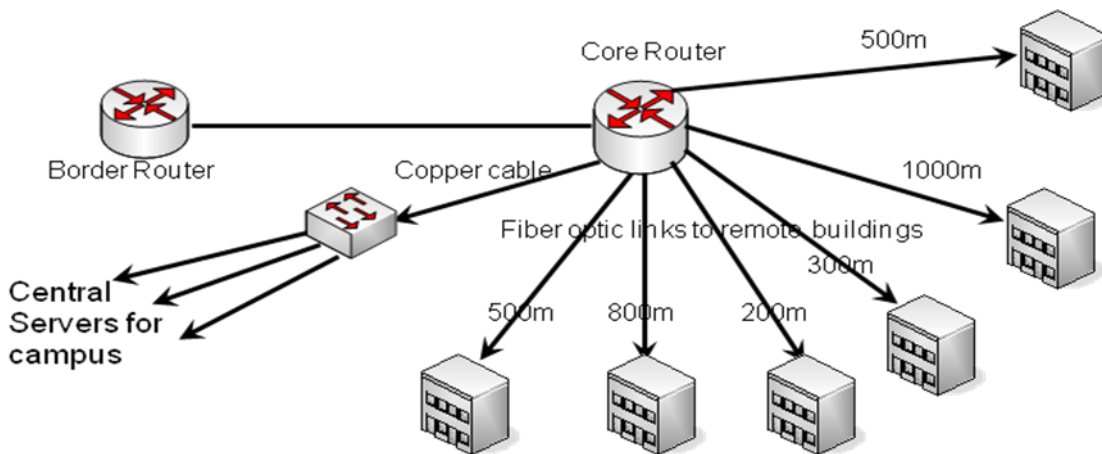


Fiber Optic Cabling and Interface Pricing Exercise

Consider the following simple network (very similar to example in talk, just with longer and more fiber links):



Use the tables below to develop pricing for a network based on gigabit Ethernet and 10gig Ethernet links for all fiber types (OM1, OM2, OM3, OM4, and G.652.D).

Standard	Cost	OM1	OM2	OM3	OM4	G.652.D
100baseFX	\$250	2km	2km	2km	2km	No
1000baseSX	\$500	275m	550m	1km	1.1km	No
1000baseLX/LH	\$1000	500m	500m	?	?	10km
10GbaseSR	\$1500	33m	82m	300m	550m	No
10GbaseLRM	\$1300	220m	220m	220m	?	No
10GbaseLR	\$4000	No	No	No	No	10km
10GbaseER	\$10000	No	No	No	No	40km

Fiber Type	Budget Cost per km
OM1	\$4,884
OM2	\$4,054
OM3	\$10,151
OM4	\$19,959
G.652.D	\$1,185

Fiber Optic Cabling and Interface Pricing Exercise

Here are some worksheets to use.

What is the total installed fiber length? _____

Cost of 1 Gigabit Network

Fiber Type	Fiber Cost	Optics Used	Optics Cost	Total Cost
OM1				
OM2				
OM3				
OM4				
G.652.D				

Cost of 10 Gigabit Network

Fiber Type	Fiber Cost	Optics Used	Optics Cost	Total Cost
OM1				
OM2				
OM3				
OM4				
G.652.D				