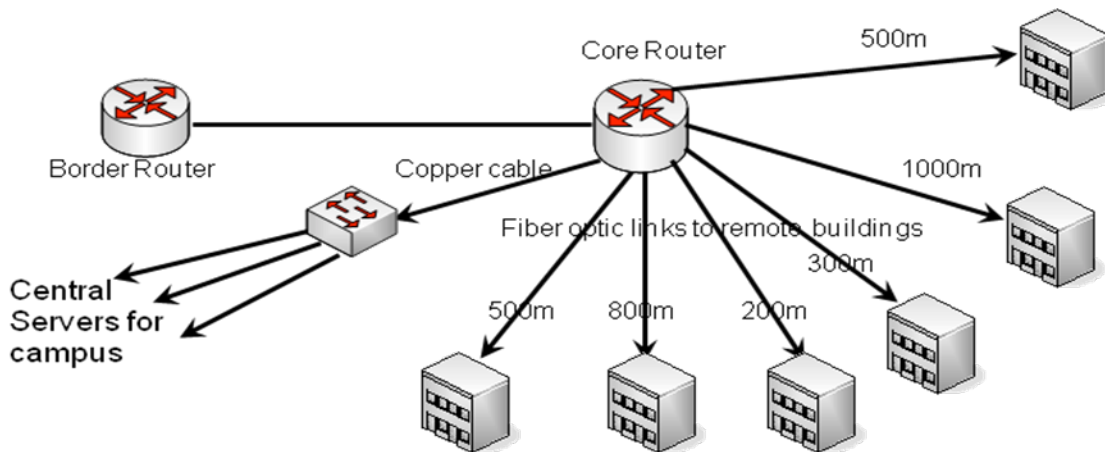


Fiber Optic Cabling and Interface Pricing Exercise

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	\$125	2km	2km	2km	2km	No
1000baseSX	\$100	275m	550m	1km	1.1km	No
1000baseLX/LH	\$169	500m	500m	?	?	10km
10GbaseSR	\$475	33m	82m	300m	550m	No
10GbaseLRM	\$785	220m	220m	220m	?	No
10GbaseLR	\$495	No	No	No	No	10km
10GbaseER	\$6050	No	No	No	No	40km

Fiber Type	Budget Cost per km
OM1	\$4,270
OM2	\$2,854
OM3	\$7,248
OM4	\$7,990
G.652.D	\$938

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	Total Cost
OM1			
OM2			
OM3			
OM4			
G.652.D			

Cost of 10 Gigabit Network

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