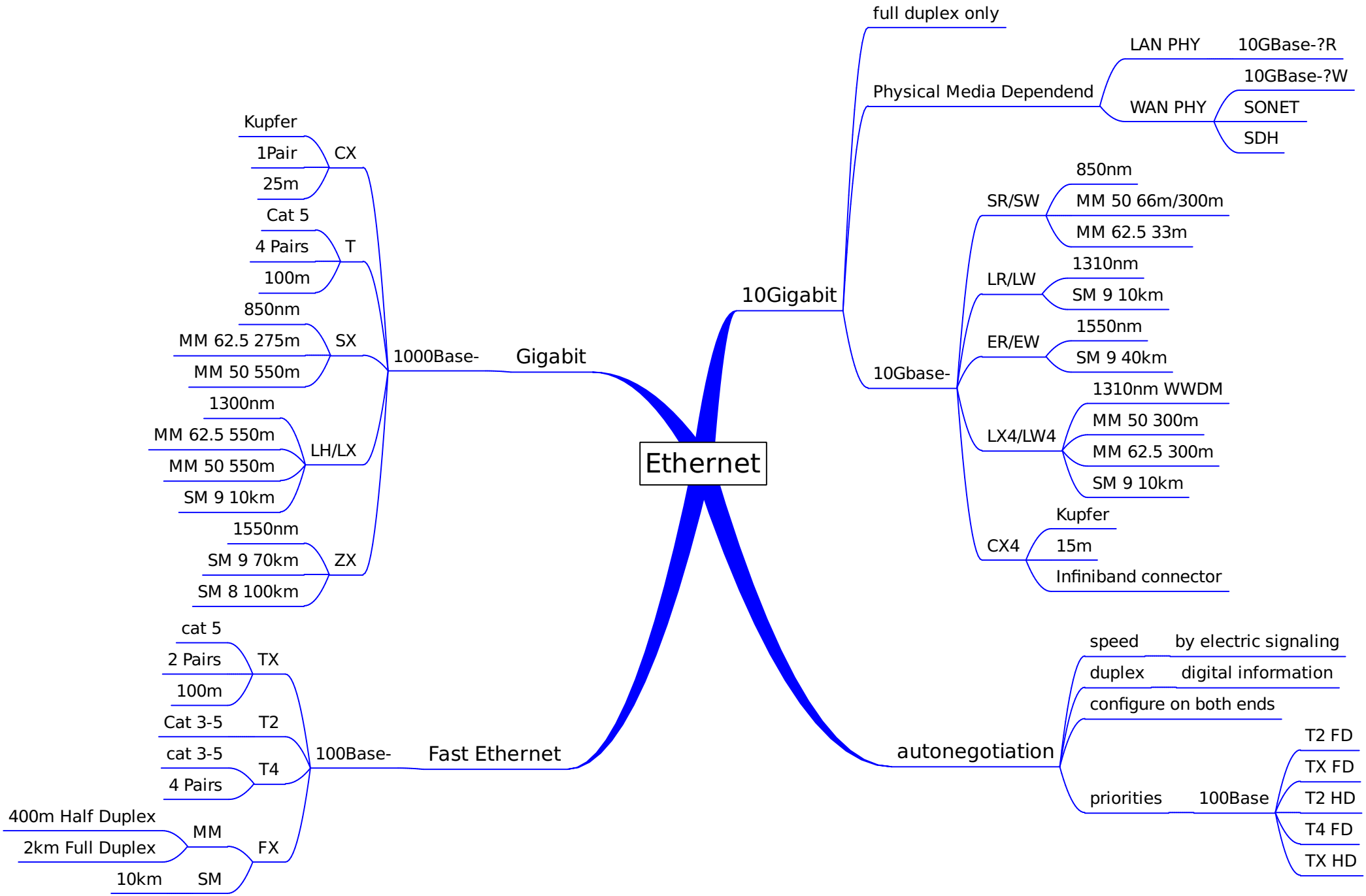
Ethernet
Gigabit
1000Base-
CX
Kupfer
1Pair
25m
T
Cat 5
4 Pairs
100m
SX
850nm
MM 62.5 275m
MM 50 550m
LH/LX
1300nm
MM 62.5 550m
MM 50 550m
SM 9 10km
ZX
1550nm
SM 9 70km
SM 8 100km
Fast Ethernet
100Base-
TX
cat 5
2 Pairs
100m
T2
Cat 3-5
T4
cat 3-5
4 Pairs
FX
MM
400m Half Duplex
2km Full Duplex
SM
10km
10Gigabit
full duplex only
Physical Media Dependend
LAN PHY
10GBase-?R
WAN PHY
10GBase-?W
SONET
SDH
10Gbase-
SR/SW
850nm
MM 50 66m/300m
MM 62.5 33m
LR/LW
1310nm
SM 9 10km
ER/EW
1550nm
SM 9 40km
LX4/LW4
1310nm WWDM
MM 50 300m
MM 62.5 300m
SM 9 10km
CX4
Kupfer
15m
Infiniband connector
autonegotiation
speed
by electric signaling
duplex
digital information
configure on both ends
priorities
100Base
T2 FD
TX FD
T2 HD
T4 FD
TX HD