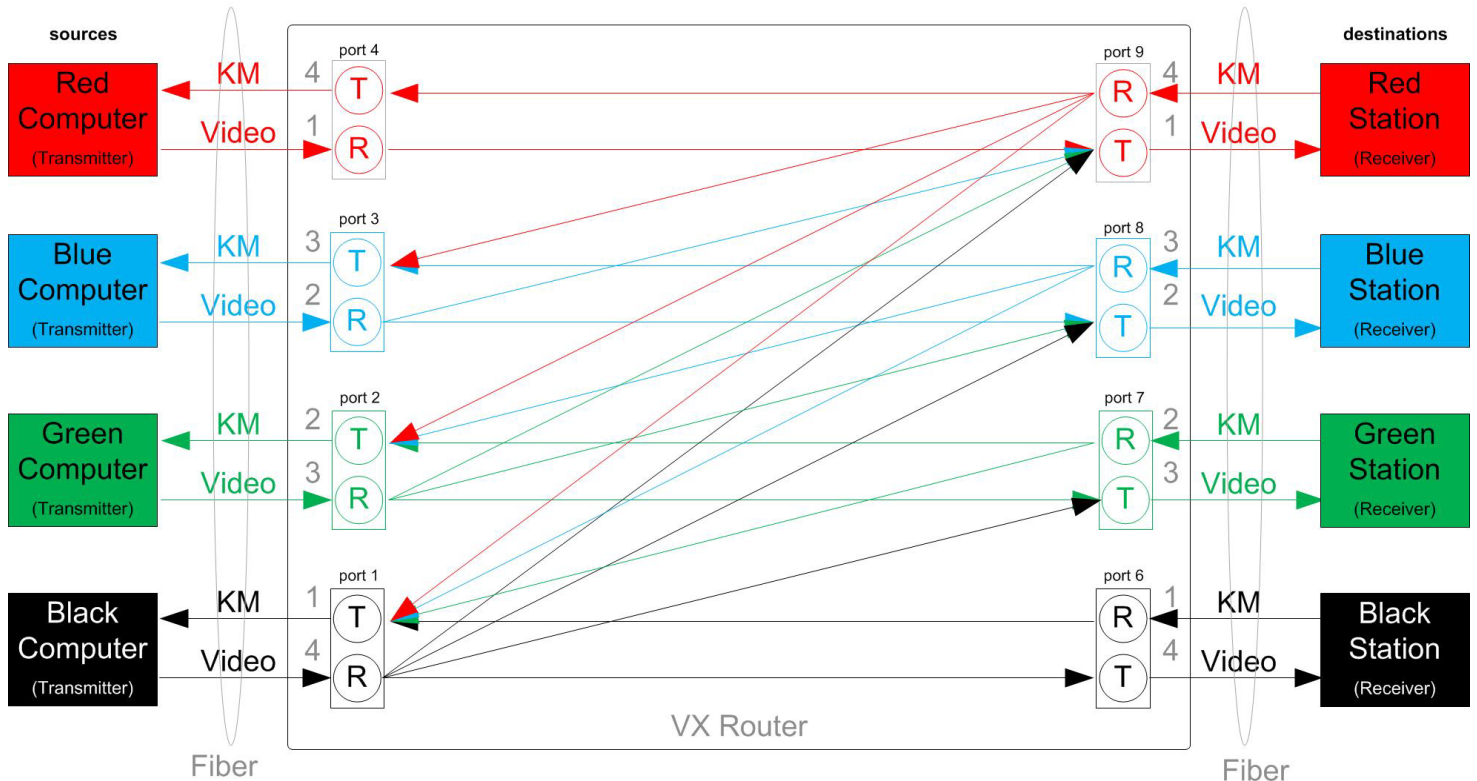


Restricted Switching with VX Routers

Restricted Switching Priority Scheme



This scenario shows four levels of security managed by one VX router.

For video:

- destination workstations in the red network can see what is transmitted by source computers in the black, green, blue, and red networks
- destination workstations in the blue network can see what is transmitted by source computers in the black, green, and blue networks
- destination workstations in the green network can see what is transmitted by source computers in the black and green networks
- destination workstations in the black network can see what is transmitted by source computers in the black network only

For keyboard and mouse:

- destination workstations in the red network can control source computers in the black, green, blue, and red networks
- destination workstations in the blue network can control source computers in the black, green, and blue networks
- destination workstations in the green network can control source computers in the black and green networks
- destination workstations in the black network can control source computers in the black network only

Restricted switching is configured via firmware loaded to the VX router. The configuration file for this scenario would look like (where the first value is "i" for input or "o" for output, the second value is the port number, and the third value is the priority level).

Important Notes:

- In this scenario, ports 1, 2, 3, 4 in card 1 and ports 6, 7, 8, 9 in card 2 are used; however, any ports on any cards could be used. (Each card has five ports numbered 1–5 bottom to top.)
- The number of priority levels you can manage by one VX router is the same as the number of ports in that VX router: a VX40 or VX80 can support 80 priority levels, a VX160 can support 160 priority levels, a VX320 or VX320 Video can support 320 priority levels.

- "i",1,4
- "i",2,3
- "i",3,2
- "i",4,1
- "i",6,1
- "i",7,2
- "i",8,3
- "i",9,4
- "o",1,1
- "o",2,2
- "o",3,3
- "o",4,4
- "o",6,4
- "o",7,3
- "o",8,2
- "o",9,1