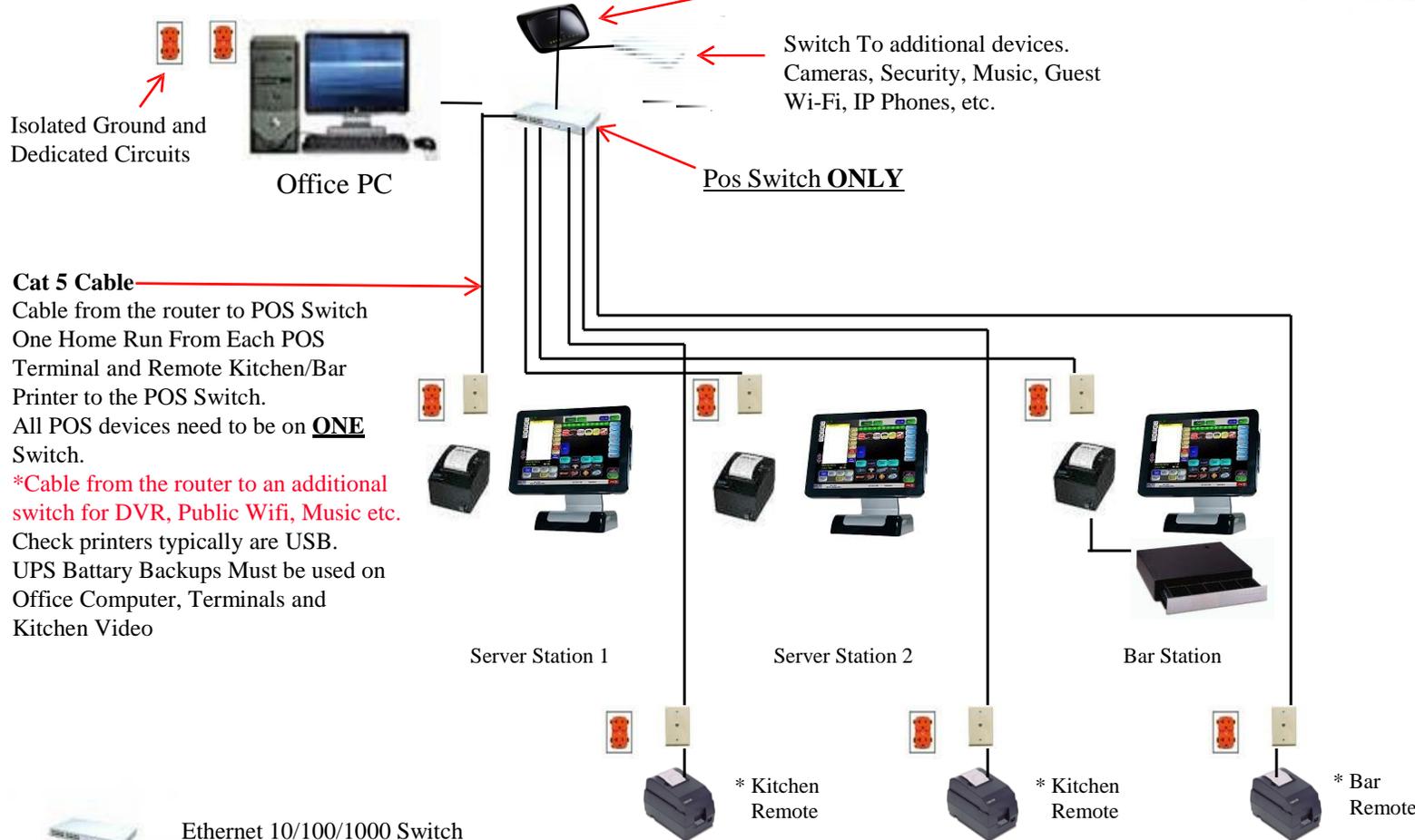


# POS Power and Network Example



**Cat 5 Cable**  
 Cable from the router to POS Switch  
 One Home Run From Each POS  
 Terminal and Remote Kitchen/Bar  
 Printer to the POS Switch.  
 All POS devices need to be on ONE  
 Switch.  
 \*Cable from the router to an additional  
 switch for DVR, Public Wifi, Music etc.  
 Check printers typically are USB.  
 UPS Battery Backups Must be used on  
 Office Computer, Terminals and  
 Kitchen Video



Ethernet 10/100/1000 Switch



Router (Supplied Internet Provider)



Cat 5 LAN Junction Box w/  
 10/1000BaseT Connector



Nema Receptacle (Isolated Grounded Power Source)  
 at all Workstations, Printers and File Server and  
 Dedicated Circuits

## Network Advisories:

1. One Data Cable Home Run is required from each Terminal and order printer
2. High Speed Internet must be installed next to the Office PC for Credit Cards and Support.
3. The entire POS system including kitchen printers requires an isolated, grounded power source.
4. All Terminations in the Junction Boxes are Category 5
5. Make sure network runs are not over 300 ft.
6. Make sure network cables are not touching or running parallel to fluorescent lighting or electrical.
7. Make sure network cables are not laying on building structure
8. Make sure network cables are not laying or touching equipment such as freezers, refrigerators, etc.
9. Make sure there are no kinks, pinches or abrasions on the network cables.
10. Make sure the cables are properly seated inside of the connector.
11. Make sure conductors are not exposed outside of the connector
12. Make sure the cable jacketing goes all the way underneath the connector and locked in the crimp
13. Leave a 10 ft. service loop at the end of the network cable run where the network device will be located; this allows for service at a later date.
14. Leave a 20 ft. service loop at the network communication room for each network cable; this allows for service at a later date.
15. Make sure network cables are terminated on a wall plate. This allows for patch cords to be used from main network cable runs to network devices, alleviating the main network run from potential damage. If there is not a wall plate used and plugged directly into the device then the main network cable run is susceptible to damage.
16. Avoid tightening zip-ties down on network cables, best to use Velcro when fastening cables.