



Memo

To: All iSkeet Administrators/Users
From: Clark Hartness
Date: Updated Oct 16, 2024
Subject: Shoot Management Networking products

There is often a need to have an isolated shoot management network. In many cases shared wireless networks at gun clubs are overused and trying to use them to run your shoots introduces unneeded risks especially if you are traveling to different clubs to run events.

I am often asked what I suggest and over the years I have used cheap equipment only to be frustrated and have found an investment in some good networking is a much better path. The devices I suggest here are not inexpensive but they are intended to be used 24/7/365 and will provide you with a very stable network setup with LTE cellular internet connection, wifi support and a private DHCP server to make networking workstations, printers and your devices easier.

A couple comments now to save you grief.

1. I strongly suggest that you **DO NOT SHARE** your internet connection with anyone other than shoot management at gun clubs. Overuse is the main reason their networks are sucking wind in the first place. Do not put your network in the same situation.
2. **Don't use WIFI networking** for your **PRIMARY workstations**. A \$20.00 switch will give you 1GB network speed. If you want to suffer through WIFI issues for what appears to be a little less effort that's fine but you have been warned.

1) Pepwave MAX BR1 Mini with Cat 7 LTE Advanced Modem (\$399.00) plus shipping – Available here:

https://5gstore.com/product/11490_pepwave_max_br1_mini_with_cat_7_lte_advanced_modem_primecare_hw3_max-br1-mini-ltea-us-t-prm.html

The Pepwave MAX BR1-MINI-LTEA-W-T is the ideal mobile broadband router for shoot management. This rugged metal router comes with a certified embedded Cat6 LTE

advanced modem for Sprint, AT&T, T-Mobile and other 4G LTE networks around the world. It works on 21 total frequency bands, and if a carrier has multiple bands, the modem will switch between them or use both as needed. Two redundant SIM slots are available that can be used for separate carriers.

I DO NOT USE THIS ALL THE TIME, but an accessory I suggest at least one Panorama B4BE 600-6000MHz Low Profile Bracket-Mount Antenna (SMA/Male) (\$36.00) at: https://5gstore.com/product/10314_panorama_b4be_600-6000mhz_low_profile_bracket-mount_antenna_smamale.html

The Panorama B4BE SMA/Male antenna is designed to be a permanent antenna mounted on a wall or mast for an improved cellular signal. However, just getting the antenna outside a metal gun club building is often needed for the best mobile shoot management networking. Often, the difference between no internet.

2) TP-Link TL-SG108 | 8 Port Gigabit Unmanaged Ethernet Network Switch (\$20.00 on Amazon)

https://www.amazon.com/dp/B00A121WN6?ref=ppx_yo2ov_dt_b_product_details&th=1
or the

TP-Link 16 Port Gigabit Ethernet Switch (\$77.00 on Amazon)

[https://www.amazon.com/dp/B002HAJQGA?](https://www.amazon.com/dp/B002HAJQGA?ref=ppx_yo2ov_dt_b_product_details&th=1)
[ref=ppx_yo2ov_dt_b_product_details&th=1](https://www.amazon.com/dp/B002HAJQGA?ref=ppx_yo2ov_dt_b_product_details&th=1)

These are good switches for the money. I buy 8 port switches they are small and you can daisy chain them if you need more than 8 ports but I can see the draw of a 16 port switch if you have a lot of wired devices.

A required accessory is good CAT6 Cables. On Amazon a 10 Pack of 10 ft cables: ***Cable Matters 10-Pack Snagless Cat 6 Ethernet Cable 10 ft (Cat 6 Cable, Cat6 Cable, Internet Cable, Network Cable) in Black*** are at:

https://www.amazon.com/Cable-Matters-10-Pack-Snagless-Ethernet/dp/B00K2E4VGI/ref=sr_1_3?crid=3A3YS8N0HVRP6&keywords=cat+6+cable+10+pack&qid=1661859000&sprefix=c+at+6+cable+10+pack%2Caps%2C85&sr=8-3

You may want to buy a couple longer cables to patch together two 8 port switches. Or you may want to go with 14 foot cables. Too long is always better than too short. In most cases you can CENTER the switch and Router and run up to 7 devices (1 Port for the router) within 10 feet if need. Minimal investment for speed and also they are very prone to get lost or damaged so a few extras never really hurts.

I also buy these water-resistant outdoor boxes to carry all this neatly. ***SocketBox – The Original Weatherproof Connection Box – Indoor & Outdoor Electrical Power Cord Enclosure*** on Amazon at:

https://www.amazon.com/gp/product/B006EUHS96/ref=ppx_yo_dt_b_asin_title_o04_s00?ie=UTF8&psc=1

Networking setup will be included in another document but here is a picture of the router, switch, external antenna a and a couple of good snag-less network cables.

