

SBC (single board computer) Ham Radio Projects

SLAARC Monthly Meeting October 12, 2014

Larry Gauthier, K8UT

Agenda

- Typical Ham Shacks
- Typical Shack Networks
- My First Four SBC Projects
- Editorial
- Predictions

- Agenda
 - Typical Ham Shacks







































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Agenda

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- Typical Ham Shacks
- Typical Shack Networks

Typical Shack Networks



Ethernet LAN 10/100/1000 MBPS TCP/UDP



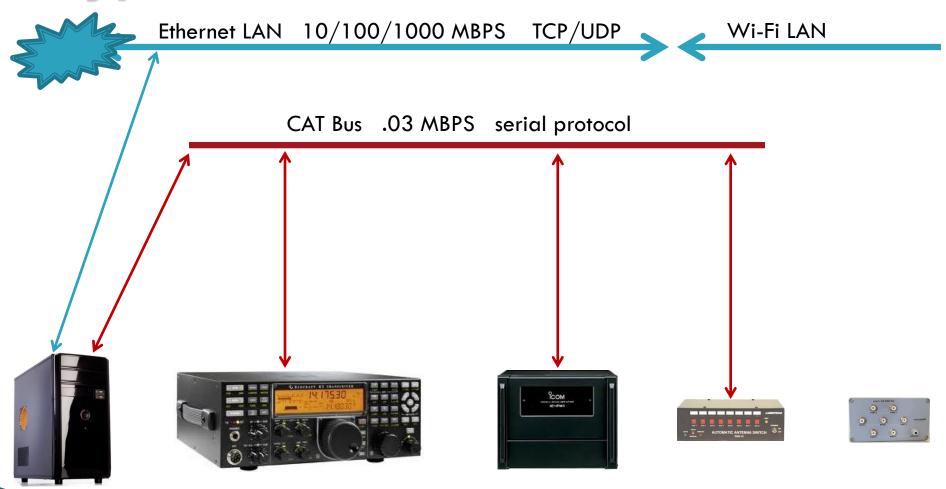




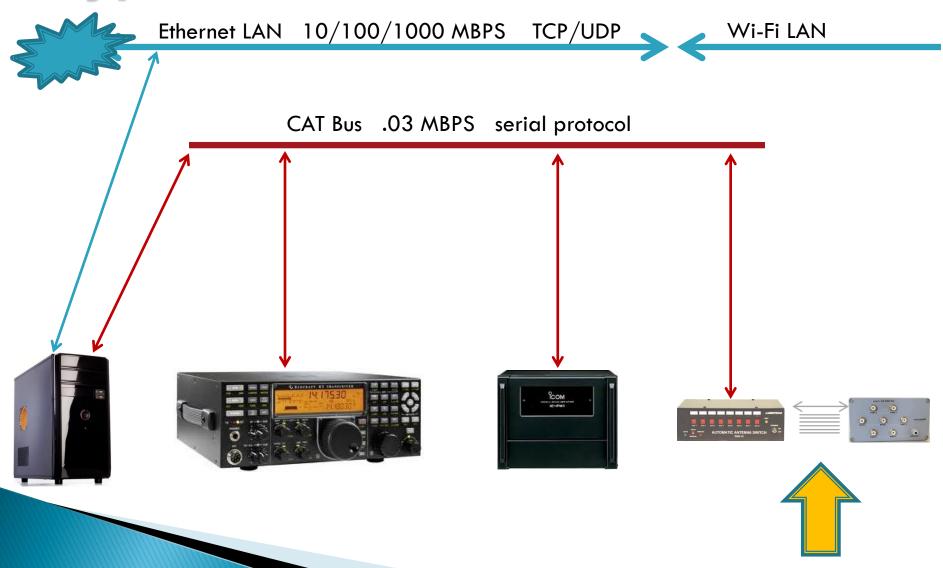




Typical Shack Networks



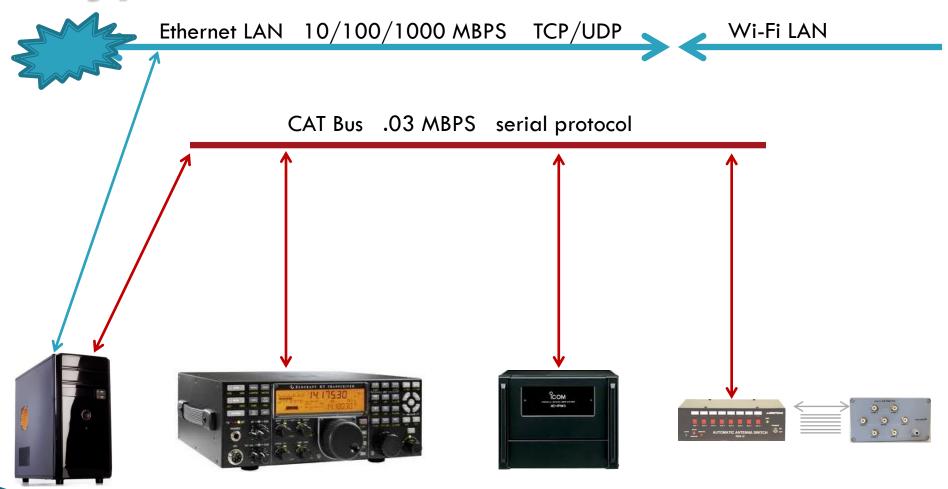
Typical Shack Networks

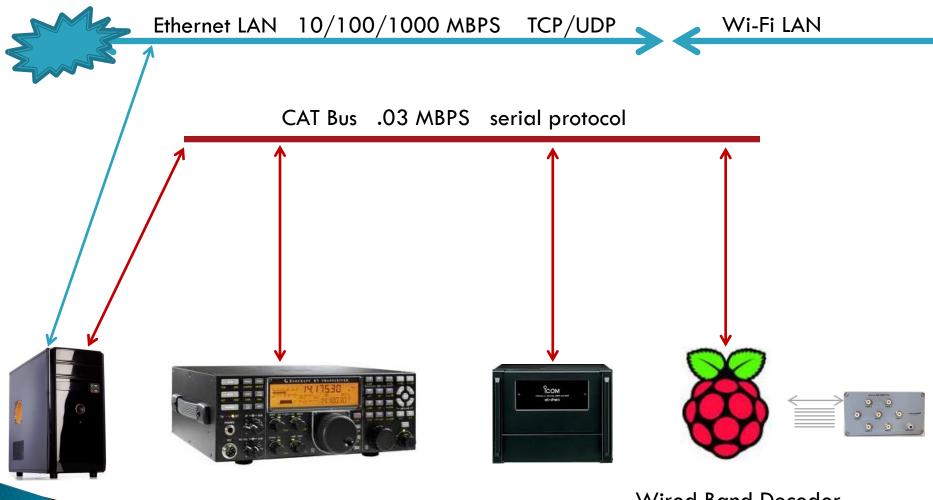


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- Agenda
 - Typical Ham Shacks
 - Typical Shack Networks
 - My First Four SBC Projects

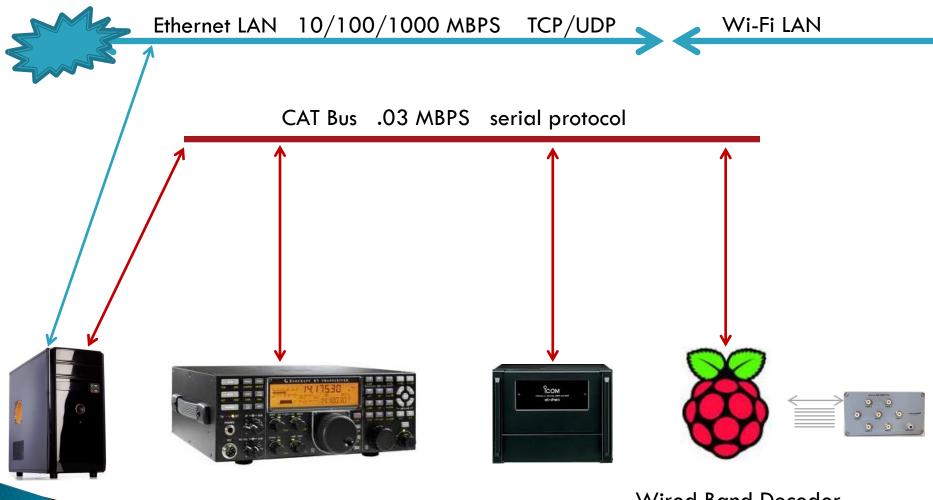
- Agenda
 - Typical Ham Shacks
 - Typical Shack Networks
 - My First Four SBC Projects
 - Wired Band Decoder



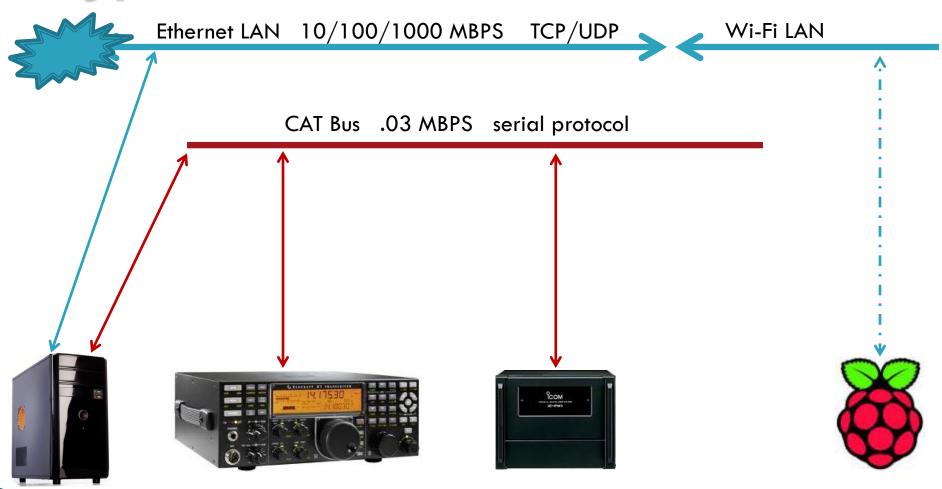


Wired Band Decoder

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 - Typical Ham Shacks
 - Typical Shack Networks
 - My First Four SBC Projects
 - Wired Band Decoder
 - Wireless Antenna Switch

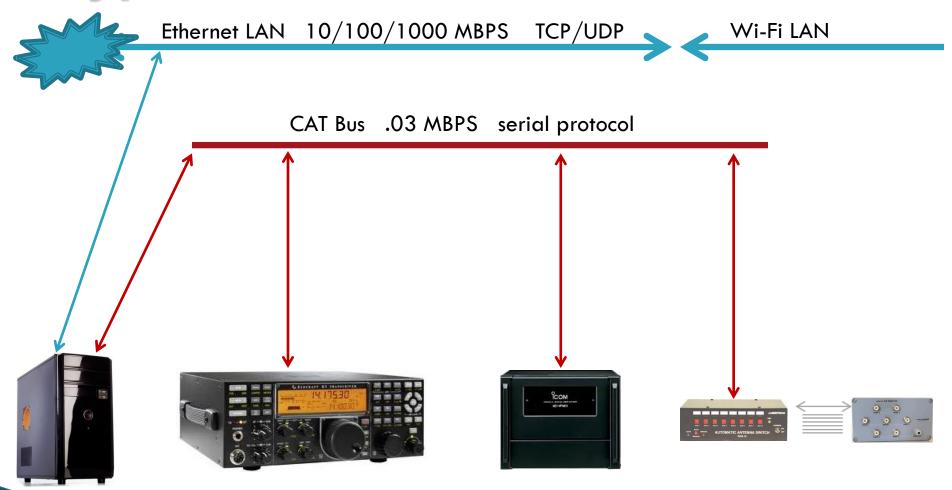


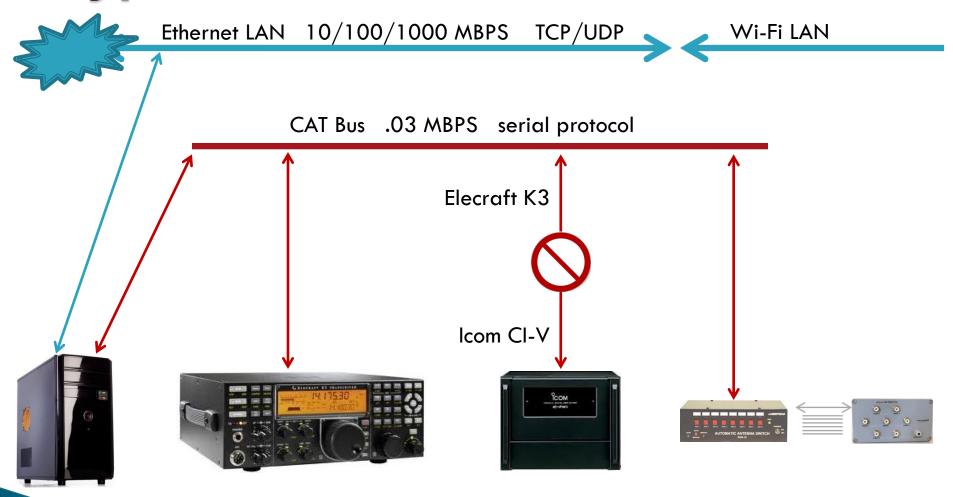
Wired Band Decoder

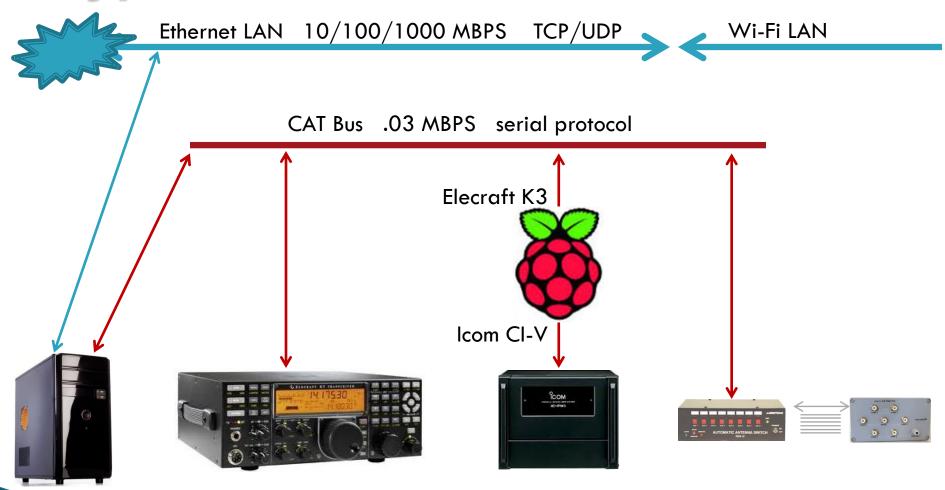


Wireless Antenna Switch

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 - Typical Shack Networks
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 - Wired Band Decoder
 - Wireless Antenna Switch
 - Protocol Translator

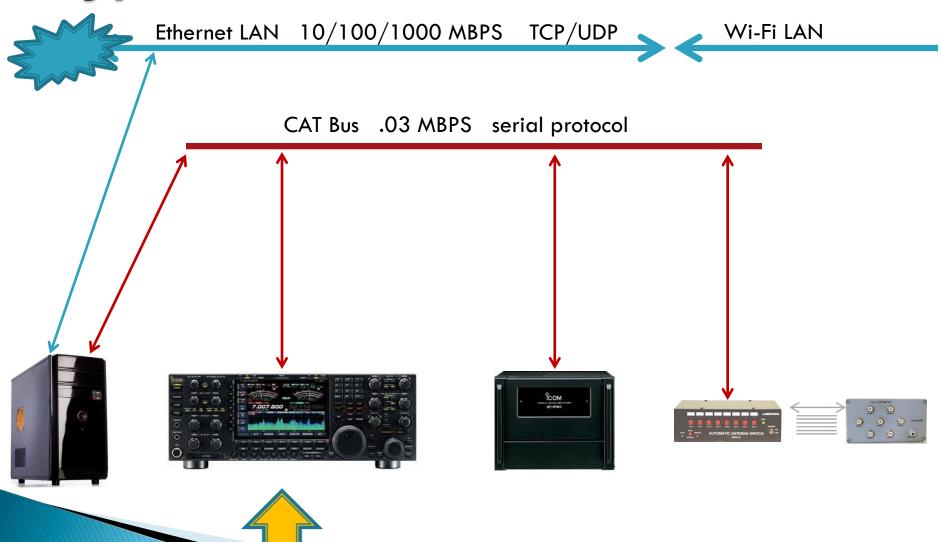


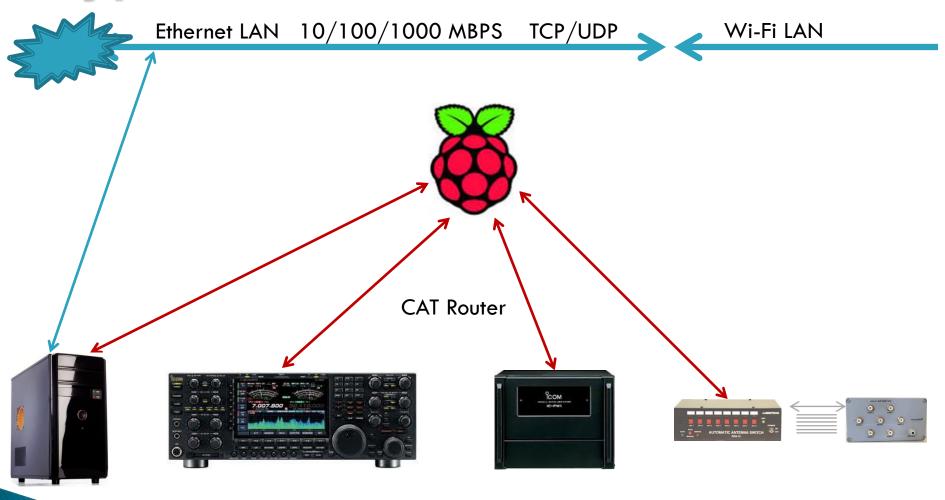




Protocol Translator

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 - My First Four SBC Projects
 - Wired Band Decoder
 - Wireless Antenna Switch
 - Protocol Translator
 - CAT Router





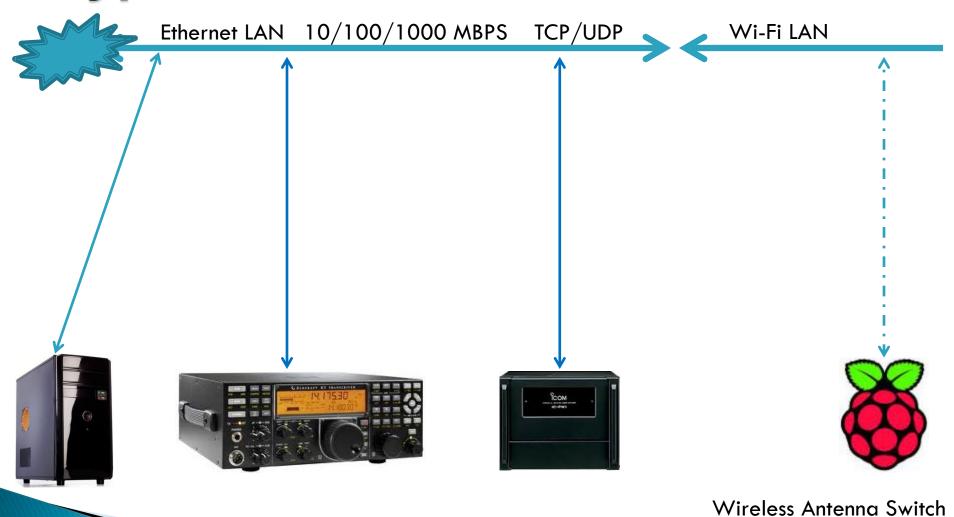
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 - Editorial

Editorial

- YMMV Based on Your Background
 - Initial SBC Purchase: July 10, 2014
- RTFM Buy At Least One Reference Book
 - I bought three they cost more than the hardware!
- Don't be Afraid to Experiment
 - What's the worst that can happen?
 - At these prices, the devices are disposable
- GIYF (google is your friend)
 - Copying from one source is Plagiarism
 - Copying from many sources is Research
- Approach your SBC with a Meaningful Project in Mind
- Work with a Buddy

- Agenda
 - Typical Ham Shacks
 - Typical Shack Networks
 - My First Four SBC Projects
 - Caveats and Disclaimers
 - Predictions





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Thank You!