

## Re: Embedded Ethernet platforms -- your view

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*Source:* <http://coding.derkeiler.com/Archive/General/comp.arch.embedded/2007-08/msg01170.html>

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  - *Date:* Fri, 24 Aug 2007 13:12:03 -0700
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On Aug 24, 12:30 pm, "A. Scott" <asd...@xxxxxxxxxxx> wrote:

I am looking for guidance with selection of a hardware development platform and tools for a new project. The task is essentially to embed an Ethernet router in an existing system, which will consume some network traffic (TCP/IP) and forward the rest. As a first phase, we would like to get a working hardware platform for code development; later we roll our own hardware based on the selected controller. I have been surveying platforms that provide Ethernet connectivity and sufficient horsepower to process level-2 packets; the toughest part has been finding appropriate development tools.

How about one of the WRT54G type platforms (one of the alternate ones that still runs linux – the current WRT54G's are a little short on rom). Debug interface options are ethernet, serial (at the cost of a level translator board), and I believe jtag (when you've otherwise bricked it).

Mabye I'm overestimating the amount of routing work you need to do and something smaller would work, but it's hard to beat the cost of development environment for the above –\$30 for the hardware and nothing for the tools. Of course there could still be substantial "spending" on learning curve depending on if it does not mesh with your existing experience.

Of course you don't need the wireless, so you can eliminate it when make your own board.

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