



## Research Summary

(Dedicated Line)

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The following summarizes what it takes to setup a dedicated (leased) line at home. To get a ballpark estimate of the 24x7 Internet service, an incumbent provider of each category is contacted: CableModem, Fractional T1 (56K and beyond), and ADSL. In summary, the ADSL solution offered by FlashCom.Com was most attractive.

- Cable Modem (MediaOne/Express)

The customer service person who answered my phone didn't seem to have in-depth knowledge of dedicated line offering. After talking with her co-workers, she said that MediaOne does NOT offer static IP address for use with dedicated line.

Maybe my instinct is correct! Offering a business solution through unproven CableModem over HFC is a bit too risky. The option is abandoned.

- ISDN BRI (Ameritech, 888-878-ISDN)

The ISDN is only offered through a dial-up service. An estimated cost of dial-up 128K/BRI service is as follows:

Installation:	\$113
128K Dial-up Service:	\$40/mo
Usage Rate:	Additional

Additionally, inside wiring charge applies, (dispatch \$51 + \$25/15-minutes).

Since offering mission critical business application over a dial-up line is unacceptable, this option is also eliminated!

- Fractional T1 (Ameritech, 800-832-6328x630 Dan), and  
Fractional T1 (MCSNet (ISP), 312-803-6271)

Ameritech service does NOT include ISP, and MCSNet service does not include leased line. Both of them have to be subscribed to offer fractional T1 service. The figure below describes a ballpark estimate provided by the Ameritech for a dedicated line service from my home (1115 Warwick Circle South, Hoffman Estates, IL 60194) to the ISP of my choice. The actual figure can be obtained when local access number of ISP is available. It takes Ameritech a month to install the setup.

Service Type	3 year contract		Anything less than 3 years	
	Installation	Monthly Fee	Installation	Monthly Fee
56K	None	\$137	\$670	\$167
128/256/384K	None	\$274	\$620	\$330

Table 1. Ameritech Dedicated Line Price List

Inside wiring charge is extra, (dispatch \$51 + \$25/15-minutes).

The MCSNet customer service person didn't seem to understand all their service offerings. An information packet will be delivered to my home within a week. I believe the service does NOT include line usage, which means we must also buy a line from local LEC (e.g. Ameritech).

Dedicated (56K+): Starts at \$75/mo Two year contract may be required.  
 CSU/DSU: Required (Extra IMO)

If two services were combined, the cost of 56K line would be more than \$200 per month.

- Fractional T1 equivalent  
 FlashCom.Com (ISP) (1.877.FLASHCOM x2382 (Chris Johnson))

Installation: Free  
 Dedicated 144K (Multisurfer): \$119/mo Two-year contract required.  
 Router: Free after \$200 rebate (Efficient.com 5250 or Covad.Com for info)  
 Domain Hosting: Included  
 Firewall: Included in the router

The line charge to LEC (e.g. Ameritech) is included in the price, which means one flat price for both dedicated line and ISP offering. Also, Flashcom provides static IP address for our server use. Check out [www.2wire.com](http://www.2wire.com) for DSL service comparison.

### Acronyms

Keith, to serve you better I'm also defining some of the acronyms used in this document.

24x7 24 Hour x 7 days  
 CSU Channel Service Unit (for dedicated voice channel)  
 DSU Data Service Unit (consider this as a modem)  
 HFC Hybrid Fibre Coax  
 IMO In My Opinion  
 ISP Internet Service Provider  
 LEC Local Exchange Carrier (Local Telephone Service Provider)