



Technology Newsletter

Spring 2007

Cable Vs. DSL Vs. T1

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Who Is Airdis

Cable

Internet service via cable is provided on the same type of cable that is used for cable TV and is normally provided by your cable TV company. Advertised speeds vary depending on your location. Generally, higher speeds are provided to business accounts. In any case, the speed (bandwidth) is not guaranteed to be available at all times. In fact, cable internet service is a shared service. It is shared with your neighbors. If your neighbors are using the internet at the same time as you are, the bandwidth available to you could be radically reduced.

DSL

Small businesses are constantly looking for the best high speed internet solution. Much has been debated about which option is best for your business. Ultimately only you can decide which option is best for your business, we wanted to offer you some information for making that decision.

DSL is provided via twisted wires, the same as normal phone service. In fact, many DSL providers require that you have a normal phone number and service with them. As with cable, advertised speeds vary with location; the main reason for the variation in speeds is the distance to the phone company central office. The speed (bandwidth) that you get is generally stable over time but it can be much less than the published speed. Like with cable offerings, your DSL might be specified as "up to 3 Mbps down and 384 Kbps up". Depending on the length and condition of the twisted pair running from your location to the central office, you may only be able to get 1 Mbps or less down. DSL goes down sometimes and it's not unusual for it to be down for hours at a time.

T1 Internet Service

For a guaranteed high-speed Internet Access, you can not beat T1 access. Although a standard T1 is 1.5 Mbps, you can get less or more by going to a fractional T1, bonded T1s or a T3 (a T3 is 28 T1s). T1 service is provided over twisted pair wires as is DSL. However, with dedicated T1 service you get a committed information rate, meaning your speed is guaranteed. There is no sharing of bandwidth with your neighbors on a dedicated T1.

Furthermore with T1 service you get reliability. On the average, T1 service is down at most 15 minutes in a year!

You can combine voice and data on a T1 to save costs, if you only need 512K, or 768K of guaranteed bandwidth. You can also get a dynamically allocated Integrated T1, meaning when no one is on the phone you get 1.5M, when 5 or 6 calls are in use you still get over 1M of bandwidth.

These are solutions that Airdis can talk to you further about, call 630-925-4446 to set up a no obligation analysis of your telecommunications needs.

Our Mission is to use our wisdom and integrity to manifest solutions that result in a successful more profitable operation for our customers.

Airdis Solutions

One Call, ONE SOLUTION, One Bill!

Airdis offers:



- Phone Systems, and Phone System Maintenance
- Voice & Data Services
- Voice Over Internet Protocol (VoIP) Systems and Solutions
- T-1 circuits (Dedicated Internet, PRI, Integrated Access, and more)
- Pay per minute, or unlimited local calling packages available.
- Enhanced Toll Free Services.
- IP VPN, MPLS, Point to Point, and Frame Relay Services.
- Multi Site Connectivity Solutions.
- Voice and Data Cabling including Cat-5, Cat-5e, Cat-6, and Fiber
- Unified Messaging (Fax to Desktop, Email and Voice Mail Integration)
- Data Network Hardware (Routers, VPN, Firewalls, etc.)
- Conference Calling
- Wireless Solutions
- Bundled Solutions One Call, One Solution, One Bill

To find out if Airdis Telecom has a solution for you call (630) 925-4446

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