AvintaNET

Enjoy broadband as simple as using a telephone

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The Goal: User-friendly Broadband

“Hello, Bob? It's your father again. I have another question about my new computer. Can I tape a movie from cable TV then fax it from my VCR to my CD-ROM then E-mail it to my brother's cellular phone so he can make a copy on his neighbor's camcorder?”
The Technology: Broadband "Pipes"

The bottleneck is here!

Firewire: IEEE 1394
HomePNA: Home Phoneline Network Alliance
ISDN: Integrated Service Digital Network
PLC: Power Line Carrier
RF: Radio Frequency
USB: Universal Serial Bus
xDSL: type "x" of Digital Subscriber Line

The confusion is here!

The Solution: AvintaNET Architecture

Two Reference Designs Complete SOHO Networking:
- Unified Data & Voice Gateway (ENID)
- Broadband Phone (PETS)

Segregates "Application" from "Networking" for
- Simple "Products"
- Reliable "Connections" &
- Flexible "Services"

ENID: Enhanced Network Interface Device
- bridge between WAN & HAN
EP: Information consuming End Point device
HAN: Home Area Network
PAN: Proximity or Personal Area Network
PETS: Plain Enhanced Telephone Set
- bridge between HAN & PAN with voice as built-in diagnostic tool
WAN: Wide Area Network