**IVAD - Integrated Voice and Data**

Broadwing’s Integrated Voice and Data (IVAD) service provides customers with multiple options for combining both voice and data traffic on a single dedicated connection. IVAD offers the unique ability to dynamically allocate bandwidth between voice and data to meet a customer’s changing network needs. Voice communications are supported with analog line and digital trunk services providing 12 to 32 voice channels on a single T1 circuit. Internet access and private networking connectivity can be accommodated with up to 1.5 Mbps of data bandwidth.

### Broadwing. Voice and Data Convergence.

Businesses that want the efficiency of a dedicated connection plus the simplicity of a single circuit for both voice and data traffic are ideal IVAD customers.

IVAD addresses the telecom needs of medium-sized enterprises as well as larger corporations with branch offices. Businesses receive local, toll, long distance, Internet and private data networking services over a single IVAD circuit.

**Value.** Broadwing IVAD consolidates voice and data traffic allowing businesses to enjoy the performance and service of a dedicated circuit at a greater value.

**Simplicity.** Broadwing IVAD eliminates the need to deal with multiple vendors for multiple services. Broadwing delivers voice and data service and provides monitoring, maintenance, and support. One company, one network, and one bill.

**Scalability.** Broadwing offers companies a variety of voice lines/trunk options that range from 12 to 32 and bandwidth options that scale from 256Kbps up to 1.5Mbps.

**Flexibility.** IVAD dynamically allocates bandwidth between voice and data services based on a customer’s unique requirements.

### Service Options.

IVAD can be configured many different ways depending on a customer’s needs.

**Line-side service.** An analog-line service for companies requiring 12 to 24 line service.

**Trunk-side service.** Available in three versions (below). All support DID functionality.

- Digital T1
- PRI
- Analog DID

### IVAD VOICE EXTENSION FEATURES:

**24+Line IVAD.** 1-8 analog lines are available with IVAD Trunk — Digital T1 or PRI service. Total capacity for these service configurations reaches 32 voice channels over a single T1 facility.

**Tie Trunk.** IVAD Tie Trunk allows customers to tie two separate IVAD locations together creating a voice private network. Customers select from 1-24 channels on a T1 or all 23 channels on a PRI at each location to be tied together.

**Off-Premises Extension (OPX).** Provides the ability to extend PBX features from one office location to another; flat rated calling between offices and extension dialing are unique customer applications that IVAD Tie Trunk and OPX enable.

**Private Networking.** Allows organizations to efficiently exchange traffic among multiple locations. Broadwing Private Networking can be seamlessly layered onto IVAD or clear channel circuits creating a full-featured communications platform.

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