

ADSL/VoIP SOLUTIONS

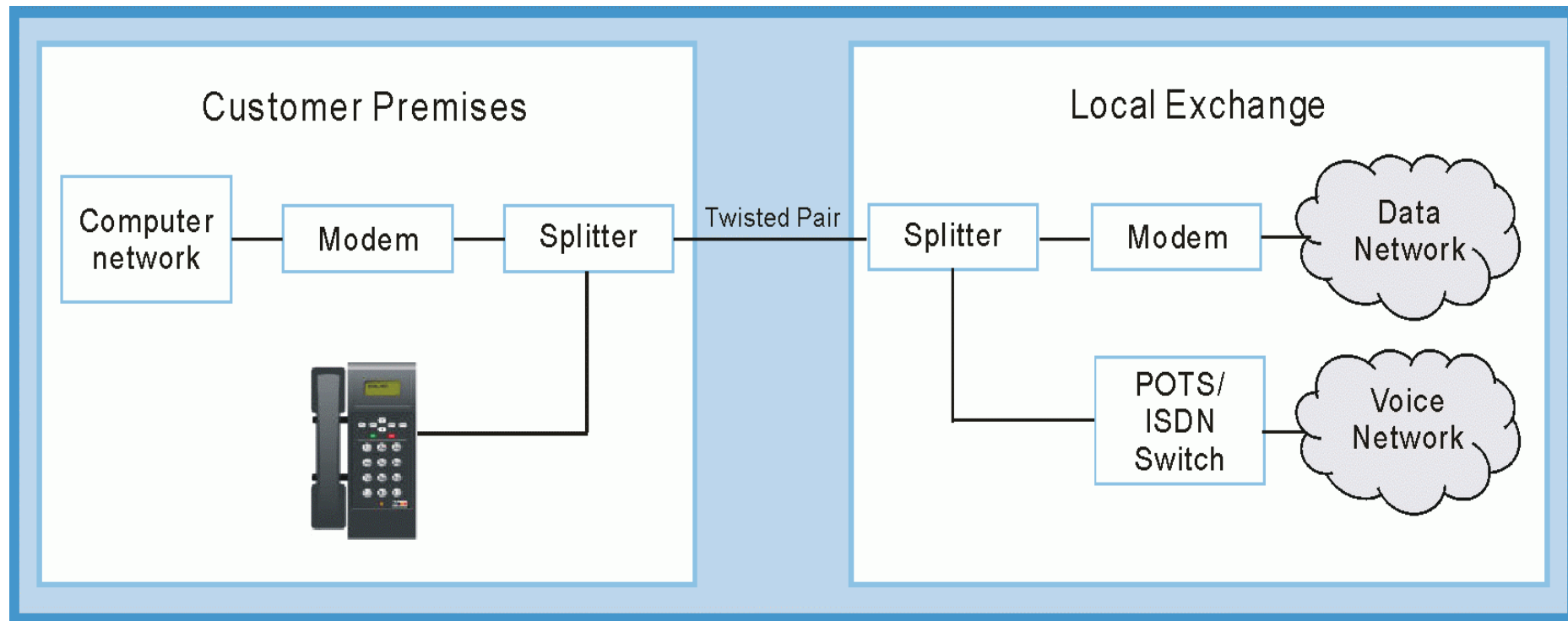
ADSL

Service Providers can introduce high-speed broadband services very **quickly and at a **low cost**:**

- **by using existing telephone (twisted-pair) copper lines, and**
- **by employing ADSL technology .**

ADSL - Asymmetric Digital Subscriber Line

Introducing ADSL – making best use of existing copper network



At the consumer end, equipment required are:

- **an ADSL splitter; and**
- **an ADSL modem.**

The splitter separates the signals on the twisted copper pair into:

- **voice service – to the telephone; and**
- **data service – to the ADSL modem.**

If the customer location is a building with multiple offices and apartments, or a campus with various data needs, an ADSL modem equipped with additional functionality such as bridging, routing or multiplexing should be chosen.

At the exchange end, equipment required are:

- **an ADSL splitter; and**
- **a DSLAM (Digital Subscriber Line Access Multiplexer).**

**A single DSLAM can handle multiple ADSL modems,
keeping cost low as it is shared among many users.**

Photonix can supply you the necessary equipment:

- **ADSL splitters,**
- **ADSL modems,**
- **DSLAMs, and**
- **Telephones.**