

### ***Personal Speech Machine for Speech Impaired (MPC-100)***

Location: USA

Customer: Enkidu

Many speech-impaired people need a way to communicate with others. Enkidu offers a family of communication devices that integrate the latest hardware and software technology into a lightweight, highly configurable package that supports a wide range of state-of-the-art interface methods and augmentative techniques, and features an unlimited spoken vocabulary provided by DECtalk speech synthesis to make communication easier.

## Applications

The MPC-100 will be the computing platform for this sophisticated software to help speech-impaired people speak with the help of this device. This software was developed based on a study of some of the most commonly used words in a sentence, to help speech impaired people quickly select commonly used words to form sentences and communicate with other people. Advantech cooperated with Enkidu by helping develop a long life battery so the machine (MPC-100) has reasonable operating time, which is a key factor in this truly portable unit. The latest MPC-100E model uses newest Intel® XScale™ Technology, replacing the current StrongARM model (MPC-100).



## System Features

The Base Platform (MPC-100) runs Microsoft® Windows® CE 3.0. A specially designed carrying case from a third party will accompany the MPC-100 as well as an attached battery-powered speaker (required for this particular application.)

## Why Advantech?

Advantech provided a rugged, ready to go platform that can withstand the rigors of daily use in most conditions. With the long life battery pack, the system was tested to run more then 8 hours, which greatly improves the availability of the unit between battery change or recharge, increasing satisfaction among users.