

# Lynx II Translator



The company that listens to the warfighter and delivers.



The Lynx II is designed for wearable eyes-free, hands-free use

## Speech-to-Speech Translation for the Mobile Ground Soldier

The **Lynx II Translator** is a ruggedized, modular system which was specifically designed and built to satisfy the demanding requirements of Two-Way Speech-to-Speech (2WSTS) Translation software during field use. This system features a lightweight CPU module, a wearable Speaker/Microphone, and an external battery. It is an extremely flexible platform that allows the soldier to remain situationally aware while communicating across a language barrier in real world field conditions. The **Lynx II** supports translation from spoken English to Iraqi Arabic, Pashto, and Dari and vice versa.

### FEATURES

#### High Powered Ruggedized Speaker/Microphone Module:

The **Lynx II** provides unmatched speech-to-speech translation accuracy, ease of use and functionality. This is accomplished by using a six element, far-field phased array microphone with “follow-the-speaker” technology. This gives reliable speech recognition in real-world environments out to a safety stand off range of 5-10 feet from the user. A powerful flat panel speaker driven by a 15 watt digital amplifier is integrated into this module so the warfighter can be heard. The Speaker/Microphone module is rated IP54 when in use for increased reliability.

**Ruggedized, Lightweight Design:** The **Lynx II** is designed to be worn by a soldier and operated in an eyes-free, hands-free mode. It is ruggedized to meet the demands for tactical military use and features a low-power CPU for extended battery life.

**Nett Warrior Compatibility:** The **Lynx II** is fully compatible with the Nett Warrior system through use of the Personal Area Network (PAN) specification and use of Nett Warrior batteries. Additional accessories can be added to the **Lynx II** solution, including: Headsets, PAN USB to VGA Displays, HMMWV Adapters, and an external docking station can be connected to allow adding an external monitor, mouse and keyboard increasing its flexibility.

**2WSTS Software Vendor Neutrality:** The **Lynx II** platform supports full eyes free versions of 2WSTS translation software—from any vendor thus enabling the user to choose the best software for his specific application.

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Peripherals can be easily added to the Lynx II's modular configuration



The fanless, fully sealed IP54 compliant CPU box houses a state-of-the-art computer board and low-power Intel® Atom™ processor



The 6 element phased array far field microphone can "follow the speaker" in order to pick up clear, accurate speech for translation

## Specifications

### CPU

CPU	1.6 GHz Intel® Atom™ Z530 with HyperThreading
Memory	2GB DDR2, 32 - 128 MB Shared Video RAM
Storage	64GB Solid State Drive with 256bit AES Encryption
System I/O	PAN x 2 - 3.5Amps USB 2.0 - Type A Available via USB Docking Station: <ul style="list-style-type: none"><li>- VGA Video</li><li>- 10/100 Ethernet</li><li>- USB 2.0 x 4</li><li>- Microphone In</li><li>- Audio Line Out</li></ul>
Battery	Internal Standby: 14Wh External: LI-80 80Wh LI-145 145Wh
Battery Life	Nominal Profile Use 24hrs+ Internal standby battery 1hr+
Standby States	Instant on S3 (3-4 sec recovery)
Carry Method	Wearable with Body Holster
Mechanical	Aluminum Alloy case
Weight	<2 lbs
Dimensions	7" x 4.4" x 1.1"
IP Rating	IP54 when in use
Translation Languages	English < to > Iraqi Arabic English < to > Pashto English < to > Dari

### SPEAKER / MICROPHONE

Microphone	6 Element Phased Array Far Field
Dedicated Audio Output Device	High Power Flat Panel Speaker
Amplifier	Integrated 15W Class D
Low Power Mode	Allows standalone use with any computer with a USB port
External Buttons	Dual "A" "B" Buttons
Connector	PAN (USB)
Material	ABS; ABS-Sealed (Speaker Diaphragm)
Weight	12 Oz
IP Rating	IP54 when in use

For more information on our rugged products, please visit:

[www.securecomm.com](http://www.securecomm.com)



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