



Advatech Pacific

Changing The Way Engineering Is Conducted

uGATE™

Universal Gateway to Telecommunications Equipment

Communications Interoperability for The Military and Civil First Responders

uGATE-B™

The Vehicle Mounted Voice and Data Micro Gateway for Multiband Communications

uGATE-C™

The Man-Portable Micro Gateway with Satellite Transceiver

uGATE-C Plus™

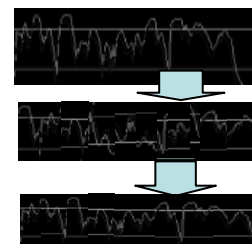
Multi-Network Cross-Band Translator for Communications Interoperability

uGATE-J3™

Military Man-Pack Two System Cross Band Translator

TranSec™

Transmission Secure Algorithm



<p>Data Interface between SINCGARS and EPLRS, and Voice Interoperability between EPLRS, SINCGARS, PRR, and Commercial Radios</p> <p>Two internal Iridium L-Band Transceivers for data and voice satellite communications (Daytona or Ruggedized)</p> <p>Two internal Sectera™ crypto units (AES TalkSecure™ or Type 1)</p> <p>External L-Band satellite antenna required</p>	<p>Voice Interoperability between SINCGARS and Commercial Radios as well as Satellite Interface for Beyond Line of Sight Communications</p> <p>One internal L-Band Transceiver for satellite voice communications (Daytona or Ruggedized)</p> <p>Configuration may include TranSec</p> <p>L-Band small ground plane satellite antenna integrated into case</p>	<p>Voice Interoperability - First Responder Applications with up to 8 radio networks divided into as many as 4 subnetworks. Available fall 2007</p> <p>External L-Band Transceiver connection for satellite communications</p> <p>Configuration may include TranSec</p> <p>External satellite handset and antenna or a uGATE C may be connected for beyond line of sight communications.</p>	<p>Voice Interoperability for the Soldier Interfaces any two military voice or VOIP radio system such as EPLRS VOIP, SINCGARS, MBITR, JEM and others</p> <p>The uGATE J3 is a cross band translator for military push to talk radios.</p> <p>Does not include TranSec.</p> <p>Does not include a satellite transceiver. It can interface the uGATE B or C for Beyond Line of Sight capability</p>	<p>Low Cost Voice Comm Security Can be embedded in uGATE C units or provided in separate box.</p> <p>Secure user can call other secure users or clear call a non-TranSec user</p> <p>Security keys may be system generated or User selected.</p> <p>TranSec cannot be used with Beyond Line of Sight capability</p>
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SYSTEM CHARACTERISTICS

<p>Standard Rack Mount: 19" x 18" x 3.5" case <20 lbs.</p> <p>Channels 4</p> <p>Subnetworks 2</p> <p>User interface: laptop</p> <p>Hardware is ruggedized</p>	<p>Manportable 11" x 9" x 5" waterproof case <10 lbs.</p> <p>Channels 3</p> <p>Subnetworks 1</p> <p>User interface: keypad and character display</p> <p>Keypad may be ruggedized or a membrane switch</p>	<p>Manportable 11" x 9" x 5" waterproof case <6 lbs.</p> <p>Channels 8</p> <p>Subnetworks 4</p> <p>User interface: keypad and character display</p> <p>Membrane switch keypad</p>	<p>Manpack (fits Land Warrior vest). 3"X4.5"X1" 0.5 lbs waterproof case</p> <p>Channels 2</p> <p>Subnetworks 1</p> <p>Switch control for user to monitor either or both attached networks.</p>	<p>Installed in uGATE C or in a manpack configuration</p> <p>Channels 1</p> <p>Switch allows user to select type of algorithm</p> <p>Rechargeable internal batteries</p>
<p>Power for each uGATE unit is provided by a rechargeable battery from a 12 to 24 VDC or 110-220 VAC external source. Approx 12 hours of operation on a single</p>			<p>Rechargeable internal batteries</p>	<p>Rechargeable internal batteries</p>

CONTACT INFORMATION

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