Tyto Athene introduces the Acuity® Micro Data Center* for federal communication and engineering teams focused on the rapid deployment of mission-critical information technology capabilities. Built to deliver essential communication and processing power to emergency or tactical edge locations anywhere in the world, the Acuity solution weighs only 30 pounds and can easily be carried onto any commercial airline.

- Portable at 30 Lbs
- WiFi and LTE included
- Designed for tactical edge
- Easy SD-WAN management
- Full Unified Communications
- Identity management
- Failsafe delivery
- Secure Vector Routing
- Support for Band 14

The Challenge of Tactical Edge Communication

Before Acuity, setting up communications and IT in adverse conditions required truckloads of equipment and up to 20 or more personnel. In the event of an emergency caused by natural disaster or act of war, it could take weeks or even months to set up reliable communication. Tactical teams were often forced to use ad-hoc solutions that were not interoperable, leaving even more issues to resolve.

The SMART Advantage

The Acuity edge solution is Software-Defined, Mobile, Agile, Rugged, and Tactical (SMART). In addition to these robust SMART features, Acuity combines best-of-breed technology with mobility and efficiency to ensure readiness in a one person carry form factor. Together, with leading technology partners, Acuity ensures security, ease-of-use, superior voice and video, mission-critical application access, and quick connectivity. These characteristics make the solution ideal for environments where Disrupted, Intermittent, and Limited (DIL) communication conditions persist.

*Patent Pending
This light-weight rugged micro-data center equipped with a full communications suite enables the following capabilities:

- Unified Communications (Voice and Video)
- Micro-/Hyper-segmentation
- Identity Management
- Virtual Network Function
- Mobile Connectivity Options:
  - WiFi
  - 4/5G LTE
  - Satellite/VSAT external/optional
- Session Migration
- Replacement for Multiprotocol Label Switching (MPLS) and VPN
- Load Balancing and Failover
- Centralized Management (Automation and Orchestration)
- Secure Vector Routing
- Open Standard/Architecture
- Secure Voice Gateway
- Windows Active Directory Services
- Exchange 2016 and Outlook
- Private and Public Cloud

With the Acuity Micro Data Center, battlefield commanders and tactical teams can control their area of responsibility (AOR), providing a strategically designed down-up extension of the host data center versus trying to assemble ad-hoc systems with multiple solutions.

**Ruggedized for Maximum Reliability in Tough Terrain**

Acuity offers high performance in a small footprint. The PC cards can withstand extreme temperature, sand, and dust and Acuity has compute, storage, security, communications, and networking built into a single chassis to support virtualization and a hyper-converged infrastructure.

Every model supports worldwide commercial power autosensing. All equipment meets unified capabilities requirements (UCR2013). Units can be networked for scalability.

<table>
<thead>
<tr>
<th>Storage</th>
<th>Power</th>
<th>Security</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 10TB built in storage with unlimited external expansion capacity</td>
<td>DC 9-14 VDC</td>
<td>FIPS 140-2 Tunnels, IPSEC (DES) 56-bit Standards (3DES) 168-bit MD5, SHA-1, SHA-128, and SHA-256 authentication</td>
</tr>
<tr>
<td>Size</td>
<td>AC 120-240 VAC</td>
<td>Tunnels, IPSEC (DES) 56-bit Standards (3DES) 168-bit MD5, SHA-1, SHA-128, and SHA-256 authentication</td>
</tr>
<tr>
<td>19.78&quot; length x 15.77&quot; width x 7.41&quot; depth</td>
<td>External battery pack (optional)</td>
<td>Zone-based IP spoofing</td>
</tr>
<tr>
<td>Weight</td>
<td></td>
<td>Network attack detection</td>
</tr>
<tr>
<td>30 Lbs fully loaded</td>
<td></td>
<td>DOS anomaly based screening</td>
</tr>
<tr>
<td>Monitor</td>
<td></td>
<td>Ongoing Support Options</td>
</tr>
<tr>
<td>9”x7” VGA</td>
<td></td>
<td>7x24Technical Support</td>
</tr>
<tr>
<td>Connections</td>
<td></td>
<td>Software Licensing</td>
</tr>
<tr>
<td>2x10 GE SFP+</td>
<td></td>
<td>Capability As a Service (36 month technical refresh)</td>
</tr>
<tr>
<td>1x1 GE SWMGT</td>
<td>Mobile Connectivity Options:</td>
<td>Repair and Return</td>
</tr>
<tr>
<td>1x1 GE AUX</td>
<td>WiFi</td>
<td>Re-Configuration and Configuration Management</td>
</tr>
<tr>
<td>1x1 GE PWR MGT</td>
<td>4/5G LTE</td>
<td>Services</td>
</tr>
<tr>
<td>8x1 GB POE</td>
<td>Satellite/VSAT external/optional</td>
<td>Configuration Management</td>
</tr>
</tbody>
</table>

**About Tyto Athene, LLC**

Tyto Athene is a full service systems integrator focused on helping clients accelerate their ability to make decisions by providing secure access to enterprise information throughout their operating environment. Tyto Athene uses a wide range of technologies, innovative thinking, and proven processes to deliver successful outcomes for its clients worldwide.