The Trident Systems family of Secure Wireless Mobility Controllers couple Aruba 7030 with special Trident Systems and NSA security enhancements for shipboard applications. These Wireless Mobility Controllers are purpose built Wireless LAN voice and data switching solutions designed and scalable to specifically address mid to large scale Wi-Fi deployments for Government agencies. This Aruba FIPS 140-2 Level 2 validated Mobility Controller is a highly available, upgradeable and modular switching platform appliance which intelligently connects, controls, secures and integrates wireless Access Points and RF Air Monitors into the wired LAN, serving as a gateway between the wireless and wired secure networks. Operationally, wireless network traffic from the APs is securely tunneled over a L2/L3 network and is terminated centrally on the switch via 10/100/1000 Ethernet physical interfaces where it is authenticated, assigned appropriate security policies and VLAN assignments and up-linked onto the wired network.

- Approved component item on NSA’s Commercial Solutions for Classified (CSfC) Programs for use within the National Security Systems (NSS) in order to achieve mission objectives. Suite B Cryptography is also supported with this platform.

Trident Systems Secure Wireless Mobility Controller solutions consist of the following three major components:

- Secure Wireless Mobility Controller - enterprise class switch into which multiple Access Points (AP) and Air Monitors (AM) are connected either directly or indirectly and controlled.
- ArubaOS Switch Firmware - Integrates the Mobility Controller and APs providing load balancing, authentication, security, Encryption and centralization for monitoring.
### Available Variants:

<table>
<thead>
<tr>
<th>Variant 1</th>
<th>Variant 2</th>
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<tbody>
<tr>
<td>P/N: TCP-A7030-USF1-S1 (SPN-00068-01)</td>
<td>P/N: TCP-A7030-USF1-S3 (SPN-00070-01)</td>
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<tr>
<td>P/N: TCP-A7030-USF1-S2 (SPN-00069-01)</td>
<td>P/N: TCP-A7030-USF1-S4 (SPN-00071-01)</td>
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### Performance and Capacity:

- **AP Licenses (included/maximum)**: 6/64
- **Maximum concurrent user/devices**: 4,096
- **Maximum VLANs**: 4,095
- **Active firewall sessions**: 65,536
- **Concurrent GRE tunnels**: 2,048
- **Concurrent IPsec sessions Firewall**: 2,048
- **SSL fallback sessions Firewall throughput**: 8 Gbps
- **Encrypted throughput (3DES,AES-CBC)**: 4.4 Gbps

### Interfaces and Indicators:

- **Form factor / footprint**: 1 RU
- **Auto-negotiating 10/100/1000BASE-T**: 8 (Combo)
- **Gigabit Ethernet ports (GBIC or SFP)**: 8 (Combo)
- **Included SFPs (SFP-SX, 850nm MM)**: 3
- **Included SFPs (SFP-SX, 1310nm SM)**: 0
- **Console port Management/status LEDs**: RJ45
- **Management/status LEDs**: Yes
- **LCD panel and navigation buttons**: Yes
- **LINK/ACT and status LEDs**: Yes
- **Out-of-band management port**: Yes

### Physical and Environmental:

- **Size (H x W x D)**: 1.7” x 12” x 8.3”
- **Weight**: 4.54 lbs. (2.06 kg)
- **Operating Temperature**: 0 to 40 C
- **Storage Temperature**: -40 to 70 C 10%
- **Humidity / Storage humidity**: to 95%, NC
- **Operating Altitude**: 10,000 feet
- **Max Power Consumption**: 55 watts