

RUGGED CERTIFIED WIRELESS COMMUNICATIONS PRODUCTS

TRIDENT SYSTEMS' SECURE CSfC APPROVED WIRELESS MOBILITY CONTROLLERS FOR SHIPBOARD APPLICATIONS

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.
- Wireless APs - Trident's Aruba-based rugged certified Wireless Access Points / Wireless Intrusion Detection System Sensors.
- ArubaOS Switch Firmware - Integrates the Mobility Controller and APs providing load balancing, authentication, security, Encryption and centralization for monitoring.

TRIDENT

Trident Systems Secure Wireless Mobility Controllers for Shipboard Applications

Available Variants:

Variant 1

P/N: TCP-A7030-USF1-S1 (SPN-00068-01)

P/N: TCP-A7030-USF1-S2 (SPN-00069-01)

Variant 2

P/N: TCP-A7030-USF1-S3 (SPN-00070-01)

P/N: TCP-A7030-USF1-S4 (SPN-00071-01)

Performance and Capacity:

AP Licenses (included/maximum)	6/64	32/64
Maximum concurrent user/devices	4,096	4,096
Maximum VLANs	4,095	4,094
Active firewall sessions	65,536	65,536
Concurrent GRE tunnels	2,048	2,048
Concurrent IPsec sessions	2,048	2,048
Concurrent SSL fallback sessions	8 Gbps	8 Gbps
Firewall throughput	2.4 Gbps	2.4 Gbps
Encrypted throughput (3DES,AES-CBC)	4.4 Gbps	4.4 Gbps

Interfaces and Indicators:

Form factor / footprint	1 RU	1 RU
Auto-negotiating 10/100/1000BASE-T Gigabit Ethernet ports (GBIC or SFP)	8 (Combo)	8 (Combo)
Included SFPs (SFP-SX, 850nm MM)	3	0
Included SFPs (SFP-SX, 1310nm SM)	0	4
Console port	RJ45	RJ45
Management/status LEDs	Yes	Yes
LCD panel and navigation buttons	Yes	Yes
LINK/ACT and status LEDs	Yes	Yes
Out-of-band management port	Yes	Yes

Physical and Environmental:

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

Contact Us: ICS@tridsys.com

Because we are constantly improving our products, these specifications are subject to change without notice.
Copyright (c) 2018 Trident Systems Incorporated. All rights reserved.

10.12.2018

TRIDENT

www.tridsys.com

10201 Fairfax Blvd, Suite 300, Fairfax, VA 22030 Tel: 703.273.1012