

AT11001 Mobile switch

Reliable and safe data switching
in tactical mobile platforms



MIL-STD
ruggedisation



10 x 10 Gbit/s port
fitted with optical
or metacil module



Exceptional
performance

The Cisco ESS 9300 switch is essentially an industrial, "stripped-down" version of high-end enterprise switches, specifically designed for integration into tactical mobile platforms such as wheeled armored vehicles.

COMTAG®

TACTICAL CLOUD READY

EDGE

Compared to conventional switches, the Cisco ESS 9300 is built on the Cisco IOS-XE architecture, giving it capabilities nearly identical to large rack-mounted data center switches, but in a compact and rugged form factor.

It supports multicast, includes built-in security features, and offers extensive management capabilities. It is designed to meet MIL-STD-810F, MIL-STD-461F and MIL-STD-1275 standards.

Usage

- in communication networks of rapidly deployable and highly mobile tactical units
 - in land, air, and naval platforms
- in extreme weather and environmental conditions

Features

System core and network architecture

- built on Cisco ESS-9300 (IOS-XE architecture)
- layer 2 and Layer 3 switching (L2/L3)
- hardware-accelerated Layer 3 routing
- multicast, QoS, and VLAN support
- Precision Time Protocol (IEEE 1588) support

Interfaces and connectivity (I/O)

- main ports: 10x 1G/10G SFP ports (optical or copper SFP module – optional)
- management port: 1x 1GE
- service access: 1x USB console
- connector type: 387TV Series – size 7

Security and management

- security features: advanced security and authentication functions, along with extensive management capabilities
- data protection: Cisco TrustSec and advanced encryption
- sanitization: ZEROIZE button for erasing configuration data (including electronic deletion)

Traffic optimization (QoS)

- prioritization: intelligent QoS for voice and video
- indication: adaptive LED port status indicators (optional) with support for Blackout mode (complete disabling of light emission)

Physical characteristics and ruggedness

- construction: small, compact design with passive cooling
- dimensions and weight: 258 × 220 × 44 mm (D × W × H – with connectors), weight 2.3 kg
- power supply: compliant with MIL-STD-1275, maximum power consumption 70 W
- military standards: designed in accordance with MIL-STD-810F (environmental), MIL-STD-461F (electromagnetic compatibility), MIL-STD-1275 (vehicle power stability)
- mounting: easy integration into vehicles or standardized 19" portable racks