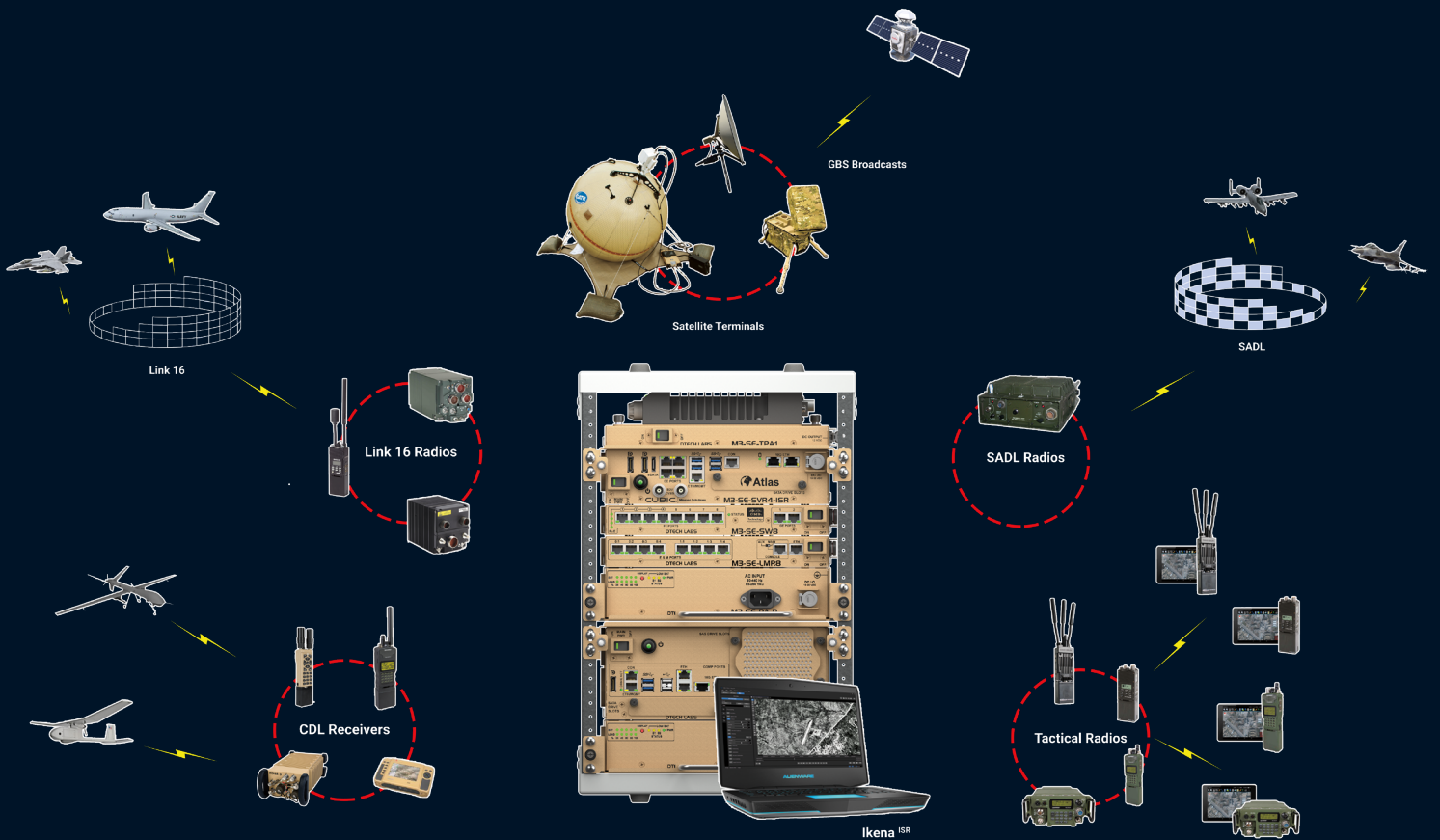


# Deliver decisive and effective fire support from any platform, anywhere in the world.

Atlas Strike is an integrated and flexible software-defined C4ISR solution providing combat element tools to enable precision targeting, strike and enhanced situational awareness.

Atlas Strike ensures combat commanders have uninterrupted access to real-time intelligence without depending on larger data networks to store and deliver information. Atlas Strike is a communication agnostic platform which interfaces with numerous TDL, CDL, SATCOM and Tactical Radio systems.

With the Unified Video server at its core, the Atlas Strike platform increases performance, reduces manpower needs, and decreases satellite transmission rates by up to 50%.



## **Why Cubic?**

Cubic Digital Intelligence (CDI) delivers the information advantage, enabling defense, intelligence, and first responder customers to act with greater speed and agility across all domains.

CDI's complementary portfolio of solutions span Full Motion Video (FMV), Intelligence, Surveillance and Reconnaissance (ISR); and Artificial Intelligence/Machine Learning (AI/ML).

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[cubic.com/c2isr](http://cubic.com/c2isr)



# Atlas

STRIKE

Strike Anywhere. Anytime.



CUBIC™

Digital Intelligence

# Atlas Strike

## Encryption

Supports Government issued encryptors powered by the integrated power stack.

## Switching

Using a Cisco® ESS 2020 switch, the M3-SE-SW8 provides PoE, PoE+, and GbE ports. All Ethernet ports are auto MDI-X layer 2 ports intended to be used for direct data user device access. Since the ports support the IEEE 802.1Q standard, they can be segmented via VLANs to maintain separation between networks. Each port can have different functionalities dependent on configuration, (i.e, Data, VoIP, Uplink, management, etc.)

### Cisco ESS 2020

- Expandable Ports
- Supports VLAN Tagging

### Interfaces

- 8 - FE Ports (4 PoE+)
- 2 - GbE Ports
- 1 - Console Port
- 1 - DC I/O Port

## Networking

The Virtual Cisco 5921 ESR enables secure routing and switching capabilities for network operations. The system is IPv6 compliant and hardened for the most rugged environments.

### Cisco 5921 ESR

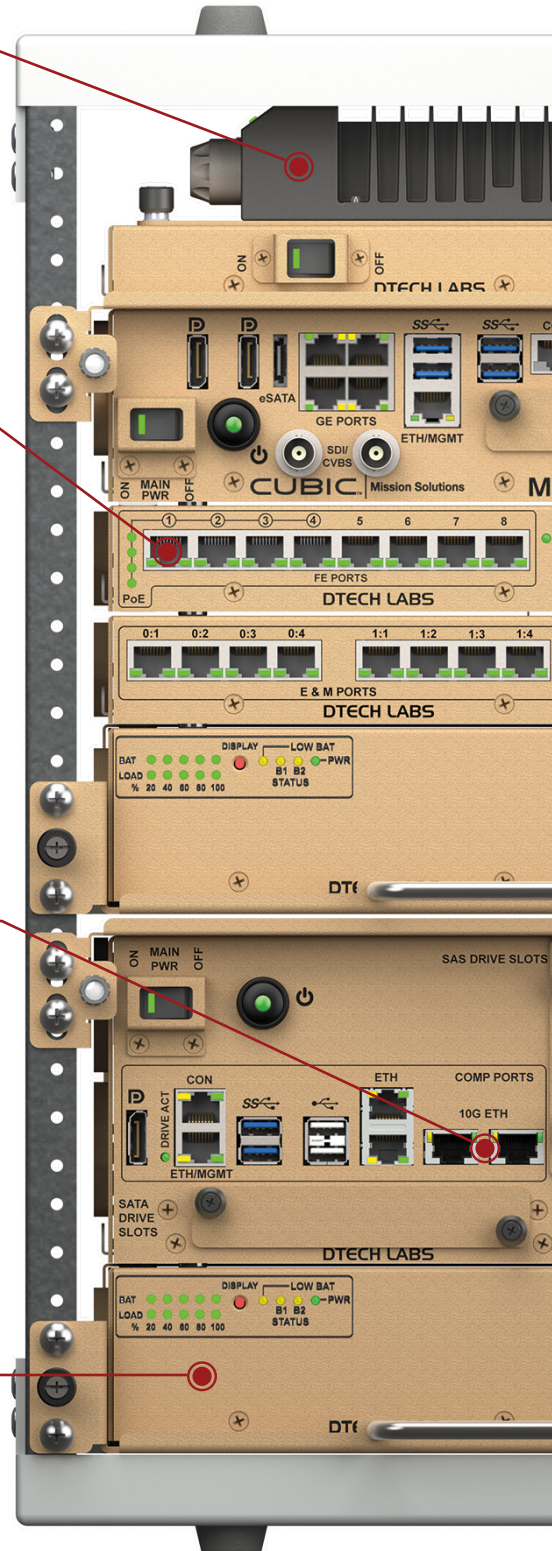
- Cisco Mobile Ready Net
- Network Optimization
- Enterprise Grade Network Security

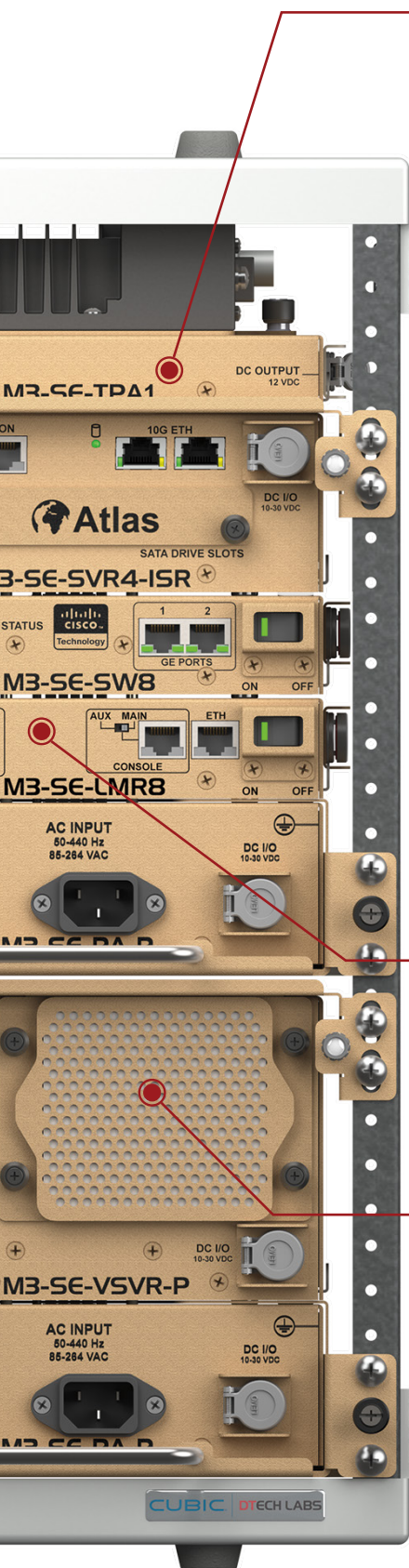
### Interfaces

- 2 - Gbe (Network) Ports
- 2 - 10 Gbe (Network) Ports

## Battery Backup

The M3-SE-PA-P module provides regulated and conditioned power to the Atlas Strike through the power pass-through connector. The module also provides seamless reliable dual-battery power backup in the event of external AC/DC power loss.





## Atlas Video Server

Utilizing an Intel 6th generation single-board computer (SBC), the Atlas Strike video server hosts a Skylake E3-1505Mv5 (Xeon) processor. Solid state drives (SSD) provide a single platform that supports the Unified Video Server and Kraken Transcoding. It features 32 GB RAM, up to 16 TB of storage, TPM 2.0 chip, and BNC video capture inputs.

## Video Management

Built to transport mission critical real-time video from anywhere in the world, the AVS reduces bandwidth up to 50% using industry leading transcoding software. The AVS Supports up to 6 simultaneous HD HEVC feeds or 15 HD AVC feeds.



## High Quality Output

With its embedded Unified Video® software, the AVS natively aggregates local and external sensors for a comprehensive view of full-motion video assets. View live and archived video while simultaneously broadcasting and storing data.



## Tactical Radio Interface

The M3-SE-LMR8 module paired with Motorola's WAVE software platform can connect up to eight (8) tactical radio networks to provide seamless voice communications with ground, air and sea elements.

## M3 - SE - VSVR - P Server

The M3-SE-VSVR-P is a high-powered ruggedized, portable, and a shallow-depth server designed for austere operational environments. The M3-SE-VSVR4 has a 5th generation Core i7 computer with 32 GB of RAM which hosts multiple virtual machines in a small form factor. Included are 10 hard drive slots, with eight (8) being serviced by a 12 Gb/s SAS RAID controller, providing up to 64 Tb of storage with 100% component compatibility with the VMware Hardware Compatibility List (HCL).

### Interfaces

- 12 Gb/s SAS RAID Controller
- Core i7 Processor



# Software-Defined C4ISR



MotionDSP ISR fuses and delivers FMV PED capabilities to all levels, from tactical environments to operations centers. Improved video fidelity for downstream users.

## Common Operating Picture

Atlas Strike enables precise targeting and situational awareness by enabling users to host their preferred Common Operational Picture tools and software such as WinTAK and SitaWare.

## TRax

Provides an integrated Air/Ground tool that implements coded waveforms to Bi-Direction Translation of Link 16, Situational Awareness Data Link (SADL), and IP Cursor on Target (CoT) for use on the battlefield objective.



Unified Video powers metadata-rich FMV processing, storage, and dissemination in real-time from anywhere in the world. With its suite of robust tools intelligence analysts can find, scrub, view, annotate and tag imagery, and add metadata to FMV in real-time across the enterprise.

## FMV Enhancements

Improve the quality of live video feeds and increase standoff range through advanced image processing algorithms including atmospheric dehazing, dynamic light and color balancing, and contrast tuning.

## 2D Mapping

Quickly generate map tiles from aerial video, providing up-to-date situational awareness and geospatially accurate imagery.