



Deployable Communications

DoD-compliant, user-friendly kits designed for seamless support in disconnected operations.

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Overview

Empowering federal partners to meet the challenges of today while building the government of tomorrow.

GovCIO is a growing provider of advanced technology, training solutions and digital services for government, combining extensive federal experience with the latest IT innovations. We offer a customized range of scalable, reliable and cost-effective solutions for our military clients, ensuring that warfighters stay connected and informed around the globe.



We are committed to your mission's success - your mission is our mission.



GovCIO offer high-quality deployable communications kits that meet DoD compliance and emphasize ease-of-use and support for disconnected operations. The kits provide flexible, efficient services for rapidly deployed warfighters with remote connectivity. We manage hardware and software configurations, develop training packages and provide field service support. Our cybersecurity team ensures system security and compliance through regular testing and patching.

Our diverse team of over 35 experts spans multiple fields, including veterans from the Marine Corps, Navy, Air Force, and Army, collectively bringing 300+ years of experience.

From the U.S. military to Health and Human Services, we have a proven track record of optimizing operations and transforming government IT, empowering our federal customers to address current challenges and build the government of tomorrow.

What We Offer

- End-to-end managed service
- Automated configurations
- Comprehensive event management
- 24/7 service desk access
- SATCOM Support
- Crypto Support
- Field Service Representative Support
- Information Assurance
- Logistics
- Sustainment
- Training



DICE KIT

Our Kits Include:

- **Advanced Communication Capabilities:** Utilizing High Speed LEO Satellite Constellations and 4G/5G cellular service flexible and reliable connectivity.
- **Data Center at the Edge:** Equipped with 15 TB of enhanced storage and scalable processing power for efficient data management and high-performance computing.
- **Travel-Friendly Design:** Conveniently check or carry on the kit with commercial airlines, easy to transport and deploy.
- **Built-in Video Teleconferencing:** Seamlessly conduct virtual meetings with integrated video conferencing capabilities.
- **Robust Security:** Implement comprehensive security measures to ensure data integrity, supported by guidance through the cybersecurity process.
- **Up-to-Date Training:** Access training packages that are proactively updated, on pace with evolving technologies.
- **Lifecycle Logistics and Support:** Benefit from fast delivery and efficient RMA processes, complemented by 24/7 on-call and on-site emergency support worldwide to ensure uninterrupted operation throughout the kit's lifespan.

Our deployed intelligence combat element (DICE) kits are built for rapid warfighter needs, offering ease-of-use, DoD Network integration and disconnected operations-while ensuring compliance with DoD guidance. Our deployable node allow operational forces to access mission-critical data even while services are disconnected. Our kits follow a standardized platform but can be customized to meet customer needs.

Technical Features:

- **LEO Satellite Communication Terminal:** Enjoy high-speed data transfer with up to 350 Mbps download, 50 Mbps upload, and 5 TB of priority data usage per month.
- **Powerful Computing:** Utilize Intel Xeon D-1500 and Xeon D-1700 processors, ranging from 4-core to 16-core configurations, with up to 128 GB of RAM.
- **Virtual Machine Environment:** Operate a comprehensive suite of virtual machines including Domain Controller, File Server, Mantle, Ansible and more.
- **Enhanced Security Features:** Utilize NSA Type 1 encryptors such as KG-250 or KG-175 series for top-tier data protection.

KG-175F

- Weight < 6 lbs.;
- 5.5 x 1.6 x 13.83 (W x H x D)
- 32 Watt power consumption
- Agile VLAN/Layer 2 Passthrough
- TACLANE Agile Performance Enhancing Proxy (PEP)
- Custom power conversion solution extending TACLANE High
- Assurance encryption to tactical platforms
- 1 Gb/s Full Duplex Throughput
- Smallest, Full Featured HAIPE® Encryptor
- MIL-STD ruggedized for the harshest tactical environments, and scalable to support strategic environments
- Simultaneous HAIPE v4.2.5 and IPMEIR 1.0 compliant
- NSA certified up to TS/SCI and below
- TEMPEST compliant NSTISSAM 1/92 Level 1
- Scalable, Multi-Speed Encryption Platform Supports 100 Mb/s to 1 Gb/s Full-Duplex (200 Mb/s - 2 Gb/s Aggregate) Throughput



Dell Laptop

- Windows 10 Enterprise
- Intel Core i5-1040H CPU at 2.60 GHz with 4 Cores
- 32 GigaBytes Ram
- 1 TBs Solid State Hard Drive
- Supports voice and video teleconferencing
- 15 inch
- CAC reader
- NVIDIA Quadro RTX 3000 Graphics Card
- 2 USB C ports



KG-250XS

- Weight 0.65 lbs.;
- 3.73 x 1.05 x 3.06 (W x H x D)
- 5 Watt power consumption
- VLAN/Ethernet tunneling for layer 2 data over layer 3 networks
- Software upgradable to meet evolving cyber security
- Embedded OSPF and PIM routing
- Embedded TCP/IP accelerator (xPEP)
- Browser-based Human Machine Interface (HMI) configuration
- Algorithms ACC compliant, Type 1 suite A or suite (AES-EFF) cryptography
- Key fill interface DS-101 over USB
- NSA certified up to TS/SCI and below
- TEMPEST compliant NSTISSAM 1/92 Level 1
- 100 Mbps Aggregate Processing Power



PACSTAR 447 Module

- 5.0 x 7.0 x 1.6 (W x H x D) Weight 2.5 lbs.
- Based on CISCO ESR 6300 Embedded Router
- 2 x 1 Gigabit SFP/RJ45 1 Gigabit Ethernet combo ports, 4 x 1 Gigabit RJ45
- Ethernet port and a RJ45 Serial/USB combo console port
- Integrates Cisco IOS-XE software
- Highly secure video, voice, and data services
- Designed for ruggedized communications
- Worldwide AC power input
- Battery snap-together connectors for up to 2 AN/PRC-
- 152/148 radio batteries; hot-swappable with 2 hours runtime per battery



PACSTAR 446 Module

- 5.0 x 7.0 x 1.6 (W x H x D) Weight 2.5 lbs.
- Based on CISCO ES3300 Embedded Switch
- Large GigE Switch module 2x SFP 10 Gigabit Ethernet ports and 22x Gigabit Ethernet ports
- Advanced Cisco IOS software
- Highly secure video, voice, and data services
- Designed for ruggedized communications
- Worldwide AC power input
- Battery snap-together connectors for up to 2 AN/PRC-
- 152/148 radio batteries; hot-swappable with 2 hours runtime per battery



PACSTAR 451 Module

- 5.1 x 7.1 x 1.7 (W x H x D) Weight 2.7 lbs.
- Small high-performance computing and virtualization platform server
- Intel Xeon D-1500 and Xeon-D1700 processing platforms in 4-core, 6-core, 8-core, 12-core, and 16-core variants with up to 128 GB RAM
- User-removable single 2.5" SSD (7 mm), SATA 6 Gb/s, up to 15TB total
- Software Defined Black/Red Core Routing
- Worldwide AC power input
- Battery snap-together connectors for up to 2 AN/PRC-
- 152/148 radio batteries; hot-swappable with 2 hours runtime per battery
- Power draw nominal: dual-core variant 25 watts total, quadcore variant 45 watts total, octo-core variant 50 watts total, 12-core 55 watts total



Fly Away Communications Terminal (FACT)

Ruggedized Multi-Path: The FACT can provide the most reliable and efficient resources for establishing communication to remotely deployed end users. It can connect to unclassified and classified resources over existing commercial infrastructure. The FACT does not need dedicated communications personnel and operators. FACT also adds significant complexity to any adversary non-kinetic targeting or SIGINT collection as data streams flow over multiple carriers and are not aggregated until they reach the cloud-based concentrator.

Service Design & Operations

Our solution integrates the components for establishing essential communication to remotely deployed end users by utilizing a communications link aggregation device to intelligently bind multiple Wide Area Network (WAN) paths.

This decreases the risk of single-link outage impacts, providing high availability and some level of fault tolerance of

communications to deployed unit users. The automatic binding and reconfiguration of multiple transport-level communication paths increase the total throughput available for the FACT beyond what any single link can on its own.

Key Features

The small form factor (SFF) design of the FACT provides transport of the solution via any means, allowing simplified setup, operation, and tear down.

- Dejero Ruggedized 211F Gateway-3x 3G/4G/LTE with GPS
- Stay connected using Dejero's patented Smart Blended Technology
- 2 PacStar 447, based on Cisco ESR6300 routing/switching module with 6 ports
- GFE Inline Network Encryptor
- 2 PRC-148 radio batteries-high capacity 70 wathours
- Batteries provide 4 hours of run time foKG and PacStar modules
- Entire FACT kit under 25 lbs

Support

Training includes setup, management via Enhanced Control, performance monitoring and integration of new links. Our team will also provide training materials, wiring diagrams, and contact information.

Future Support

- Manage data plans (GB rate)
- Manage annual subscriptions of software licenses
- Customized each FACT for its intended operating location
- Establish priority data agreements with CONUS and OCONUS commercial carriers to avoid data throttling/performance inhibitors

Item Guide



Unclassified/Transport Router/Switch Module PacStar 447



Classified Router/Switch Module PacStar 447



KG-250XS or KG-175N



Dejero Gateway 211F



Two Batteries



VOIP Phone



**Your mission
is our mission.**



Learn more at
govcio.com/deployablecommunications

