Federal and defense agencies require robust, reliable connectivity, both in-building and on-campus. Agencies have mission-critical needs for transferring massive amounts of data with low latency and are expanding the use of next-generation technologies such as high-definition video, virtual/augmented reality and the internet of things.

CommScope has engineered solutions to modernize federal and defense network infrastructure for the fastest, most reliable network connections. Our RUCKUS ICX® family of fixed form-factor switches work together to simplify network set-up and management, enhance security, minimize troubleshooting and make upgrades easy. Our low-latency, non-blocking architecture ensures excellent throughput for the most demanding applications.

ICX switches work seamlessly with RUCKUS Wi-Fi access points, RUCKUS SmartZone network controllers and RUCKUS Cloud to deliver the highest performing and most cost effective unified wired and wireless access solutions on the market today.

**KEY FEATURES AND BENEFITS**

**Upgradable, flexible architecture**
- Multi-purpose switches can be deployed standalone or stacked
- Software-upgradable uplink/stacking ports from 1 GbE to 10 GbE and 40 GbE to 100 GbE
- Simple licensing upgrade for advanced L3 features

**Industry-leading price/performance**
- Industry-leading access switches offering unprecedented capabilities
- High-performance stackable aggregation and core switches deliver more for less

**Unique stacking capabilities simplify management**
- Stack over long distances using standard Ethernet optics
- Superior scalability up to 12 switches per stack
- Aggregation and core ICX switches also support stacking for unmatched scalability
- Delivers the benefits of a chassis with the flexibility of stackable switches

**COMMSCOPE CERTIFICATIONS**
- FIPS 140-2 validated
- DISA DoDIN APL approved
- NSA CSfC approved
- Common Criteria
- USGv6
- TAA

**Multigigabit Ethernet enables next-generation wireless deployment**
- IEEE 802.3bz standard-based multigigabit Ethernet support
- Optimizes for Wi-Fi 6 and future wireless AP deployment, increasing performance while reducing cost

**ICX SWITCHES**

Whether you’re deploying a standalone switch or a stack, you’ll reap the benefits of CommScope performance, flexibility and investment protection.

**Access:** CommScope offers a broad range of gigabit and multigigabit switches with 1/2.5/5/10 GbE downlinks and 10/40/100 GbE uplinks, including the ICX 7150, ICX 7250, ICX 7450, ICX 7550 and ICX 7650.

**Aggregation:** CommScope offers a range of fiber switches that support 1/10 GbE downlinks and 10/40/100 GbE uplink ports with redundant power supplies and advanced L3 support, including the ICX 7450, ICX 7550, ICX 7650, and ICX 7850.
Core: The RUCKUS ICX 7850 provides the necessary advanced Layer 2 and Layer 3 features, high 10/40/100 GbE port density, and high-availability capabilities to handle the most demanding deployment scenarios. A stack of RUCKUS ICX 7850 switches interconnected with 100 GbE links makes a cost-effective, highly available campus core solution with active/standby control planes and hitless failover. Alternatively, a pair of ICX 7850 switches interconnected with multi-chassis trunking (MCT) delivers full redundancy at the core with active/active control planes.

ICX Product Family

- **ICX 7150**
  - Entry-level Access

- **ICX 7250**
  - Access

- **ICX 7450**
  - Access / Aggregation

- **ICX 7550**
  - Access / Aggregation

- **ICX 7650**
  - Access / Aggregation / Core

- **ICX 7750**
  - Aggregation / Core

- **ICX 7850**
  - Aggregation / Core

IPsec module: The ICX7400-SERVICE-MOD is an optional module on the RUCKUS ICX 7450 switch that provides hardware-based acceleration for IPsec VPNs using Advanced Encryption Standards (AES). It leverages programmable hardware technology to future-proof data protection, enabling more capabilities to be added as business needs evolve. This module is also NSA CSfC approved.

Looking for a rugged or Mil-Spec switch? CommScope has partnered with Crystal Group to deliver rugged versions of our RUCKUS ICX switches. Contact your account manager to learn more.

At CommScope Federal, we push the boundaries of communications technology to create the world’s most advanced networks. Across the globe, our partners and their solutions are redefining connectivity, solving today’s challenges and driving the innovation that will meet the needs of what’s next.