



Overview | Data Centers

Empowering Hyperscalers, Neoclouds, Co-Location Providers, Private Clouds, and Enterprise Data Centers with Custom-Tailored Technology Solutions

Data centers are the backbone of our interconnected world, powering mission-critical services for cloud providers, hyperscalers, telecom carriers, AI server farms, and large enterprises. These facilities are the nerve centers of the digital age, supporting global e-commerce, video streaming, artificial intelligence, and enterprise applications. Data centers are essential for maintaining the flow of information, innovation, and commerce in today's fast-paced, always-on world.

Operating in this high-stakes environment comes with unique challenges. Data facilities must deliver exceptional security, ultra-reliable connectivity, and resilient communication frameworks to ensure uninterrupted operations and maintain client trust. Managing massive data traffic, ensuring uptime, and safeguarding sensitive information requires solutions that are both robust and tailored to the specific needs of these critical facilities.

At MCA, we recognize the pivotal role data processing and storage facilities play in the global economy and have developed a comprehensive suite of solutions to meet their stringent requirements.

Our offerings enhance operational efficiency, fortify security, and ensure seamless connectivity across every layer of data center operations.

Our physical security solutions protect facilities from unauthorized access and threats, ensuring the safety of infrastructure and personnel. Advanced wireless networking and optical infrastructure provide the high-speed, low-latency connectivity needed to support the growing demands of cloud computing, AI workloads, and enterprise applications. Meanwhile, our radio communication systems enable seamless coordination across teams, ensuring critical issues are addressed swiftly and effectively facility-wide.

Together, our solutions create a resilient ecosystem that empowers data centers to operate at peak performance. By addressing the unique challenges of this sector, MCA delivers reliable, scalable, and secure solutions that support the critical work of data centers, enabling them to meet the demands of today's interconnected world and the innovations of tomorrow.



Integrated Technology Ecosystems for Global, Regional, and Edge Data Centers

Two-Way Radios and Smart Handhelds

Private Radio Coverage Enhancement Systems

Radio Equipment Warranty Coverage

Intelligent Video Surveillance and Analytics

High Security Access Control Systems

Perimeter and Intrusion Detection Systems

Public Cellular & Private Wireless Networks

Public Safety & Cellular DAS Solutions

Optical Networking & IP-MPLS Routing



MCA empowers data centers to operate at peak performance by delivering tailored solutions that enhance operational efficiency, fortify security, and ensure ultra-reliable, high-speed connectivity. From advanced physical security and seamless wireless networking to resilient communication systems, our offerings address the unique challenges of data centers, enabling them to support business-critical operations.

Voice Solutions

In business-critical data center environments, rapid, reliable voice communication is essential to maintain uptime, coordinate secure access, and manage daily operations efficiently. MCA's integrated voice solutions empower teams to stay connected and respond immediately to any operational or security event.

Motorola Push-to-Talk (PTT) Radios

Reliable, instant voice communication is vital for large-scale data center campuses and high-security environments. MCA offers the full range of Motorola Solutions' MotoTRBO radios, including the R series and Ion handhelds, to enable seamless coordination among security, maintenance, and ops teams. With advanced push-to-talk capabilities and real-time connectivity, these radios ensure rapid responses, streamlined workflows, and superior safety across distributed indoor and outdoor environments.

Private Radio Coverage Systems

MCA's radio systems leverage MotoTRBO architectures to deliver robust, mission-critical signal strength throughout complex data center infrastructures. They ensure reliable communications across buildings, server halls, underground areas, and dispersed facilities. By supporting uninterrupted voice connectivity during maintenance, security, and critical events, these systems safeguard personnel and operational continuity.

MotoTRBO Care Program

The MotoTRBO Care Program offers comprehensive service and support to keep your radios and systems performing at their best. Covering priority repairs, extended warranties, expedited replacements, technical assistance, and more, the program minimizes downtime and extends the life of your investments. With proactive coverage for MotoTRBO radios, handhelds, and infrastructure components, data center operators can rely on fully optimized, mission-ready voice systems at all times.

Security Solutions

In data centers, where protecting sensitive infrastructure is essential, robust security solutions are critical for operational integrity and compliance. MCA delivers a comprehensive suite of technologies tailored to the unique challenges of data center environments, strengthening protection at every level.

Intelligent Video Surveillance and Analytics

Protecting sensitive server halls, perimeters, and support facilities requires intelligent, always-on surveillance. MCA deploys advanced video systems integrated with AI-powered analytics to detect anomalies, monitor perimeter activity, and verify access events in real time. With high-resolution cameras, facial recognition capabilities, and ALPR with MMCR for vehicle monitoring, these systems enhance situational awareness and fortify security across campus-wide operations.

Multi-Factor Access Control Systems

Preventing unauthorized access to data halls, control rooms, and critical mechanical areas requires robust, multi-layered access control. Our high-security solutions combine biometric readers, smart cards, RFID-enabled vehicle gates, and MFA to regulate both people and vehicles. Integrated alarm triggers, live monitoring, and barrier systems add an extra layer of protection, enabling swift responses to potential breaches.

Perimeter and Intrusion Detection Systems

To guard against internal and external threats, MCA implements advanced detection technologies, including motion sensors, infrared barriers, and vibration or seismic detection. Our solutions also include environmental sensors to monitor gases, vapors, and fire risks, as well as vehicle detection systems for loading docks and access points. These technologies support a proactive security strategy, safeguarding perimeters and sensitive areas while ensuring compliance with stringent data center standards.



Data Solutions

Seamless and secure connectivity is essential for data centers to maintain operational efficiency, safeguard infrastructure, and support advanced technologies. MCA delivers tailored networking solutions to meet the unique demands of these critical environments.

Public & Private Cellular Networks

Data centers require dependable connectivity to support security systems, facility operations, and smart infrastructure. MCA provides private LTE and 5G networks designed for high-density environments, ensuring robust indoor and campus-wide coverage. Our Nokia DAC solutions enable Push-to-Video (PTV), secure IoT deployments, and more, while cellular WAN solutions offer reliable backup or primary connectivity to keep operations running smoothly during network disruptions.

In-Building Wireless Solutions

Reliable indoor coverage is essential for first responders and facility teams in complex data centers. MCA provides ERCES solutions for uninterrupted public safety communications and Neutral-Host DAS solutions for multi-carrier cellular coverage. These solutions enable the seamless use of cellular devices, mobile credentials, and 911 calls, ensuring consistent signal strength across multi-story buildings, mechanical floors, and underground areas to enhance safety and efficiency facility-wide.

Network Infrastructure Solutions

MCA's networking solutions provide the backbone for data center interconnectivity (DCI). Our optical line, terminal, and network transport platforms and high-capacity IP-MPLS routing solutions enable ultra-fast, low-latency data transfer between facilities and service provider networks. Deepfield Defender adds an extra layer of protection with real-time DDoS mitigation and advanced traffic analytics, ensuring network integrity and uninterrupted operations.

Our Services

Data centers require precision, reliability, and expert support to maintain seamless operations. MCA's comprehensive service and support offerings are designed to meet the unique demands of mission-critical environments, ensuring maximum uptime, efficiency, and security.

Professional Services

We deliver comprehensive support, from initial design to ongoing optimization, backed by 100+ solution centers across 20+ states. We specialize in on-site surveying, RF benchmarking, solution engineering, and system design to meet the unique needs of our data center clients. Our expertise includes device configuration, equipment staging, system implementations, and more. With end-to-end project management, compliance testing, and system auditing, we ensure efficient, compliant operations.

Managed Services

MCA provides proactive monitoring, maintenance, and support to keep mission-critical systems running smoothly. Our offerings include system monitoring, device management, and regular technology refreshes to keep your infrastructure up to date. With remote support and on-site maintenance agreements, we minimize downtime and reduce total cost of ownership. Designed to streamline operations and reduce capital expenditures, our services allow you to focus on core operations.

Integration Services

Seamless interoperability is critical for data centers. MCA integrates access control, surveillance, network management, and communications into centralized NOC and SOC platforms. Custom APIs, analytics, and dashboards provide actionable insights, while automated ticketing, unified communications, and centralized security streamline operations and enable rapid response. We drive automation and multi-site synchronization for unified management and rapid decision making.

Partner With MCA as Your Trusted Advisor

MCA partners with the world's leading data centers to deliver comprehensive solutions in security, voice, and data. Our tailored approach ensures seamless 24/7 mission-critical operations while adhering to the highest compliance and performance standards. Whether supporting hyperscale campuses, regional colocation facilities, or edge computing sites, MCA provides the expertise and reliability to safeguard and optimize your most vital infrastructure.

Contact Us Today >> 800.596.8205



About MCA

MCA is one of the largest and most trusted technology integrators in the United States, offering world-class voice, data, and security solutions that enhance the quality, safety, and productivity of customers, operations, and lives.

More than 65,000 customers trust MCA to provide carefully researched solutions for a safe, secure, and more efficient workplace. As your trusted advisor, we reduce the time and effort needed to research, install, and maintain the right solutions to make your workplace better.

Our team of certified professionals across the United States delivers a full suite of reliable technologies with a service-first approach. The MCA advantage is our extensive service portfolio to support the solution life-cycle from start to finish.

MCA Headquarters

📍 135 N Church St #310
Spartanburg, SC 29306

☎️ 800.596.8205

✉️ info@callmc.com

🌐 www.callmc.com

The MCA logo is rendered in a white, sans-serif font. The letter 'C' is stylized with a blue circular graphic element inside it, consisting of a solid blue ring and a central blue dot. The background of the entire page is a dark blue gradient with abstract, glowing white and light blue geometric patterns, including a network of interconnected nodes and lines on the right side and a grid-like pattern at the bottom.