



Overview

Ongoing market disruption has challenged IT teams at hyperscale, collocated, enterprise and edge sites. IT and network managers and their staff need secure, authorized and remote access to IT infrastructures to perform their jobs, monitor system health, and address issues and alerts before they become problematic. That mission has become increasingly important as organizations adopt digital-first business models, implement hybrid cloud infrastructures and move workloads closer to customer and user demand. Downtime not only negatively impacts your workforce's productivity, but can also bring operations to a standstill, resulting in customer and revenue loss.

Whether they're working from home or on-site, your data center and network teams need to access serial-based devices in the same building; at large sites on the other side of the world; or across edge sites.

You need to scale time and talent to manage all of these devices, without adding extra staff or compromising employee safety. You also need to increase responsiveness, from automatically deploying and configuring devices to providing proactive management, troubleshooting and issue resolution. By so doing, you can support growing data center and edge site demand, while ensuring continuity of vital services.

Security is also a significant concern. Cyberattacks are growing, putting pressure on your IT teams to maintain systems effectively, identify and address security gaps, and respond to incidents proactively. You want to strengthen security by providing access-based controls that limit responsibilities to job functions and protecting devices from unauthorized access.

Scale Remote IT Management with the Avocent® ACS 8000 Serial Console Server

The Avocent ACS 8000 Serial Console Server has been redesigned to provide a ground-up platform of IT innovation. It provides significant new connectivity features, such as 4G LTE cellular connectivity, gigabit fiber, USB and sensors. Use fast, flexible connectivity and failover to access, manage and troubleshoot serial-based devices around the world. Support the full range of devices your organization requires, scale time and talent to handle infrastructure growth, and enable secure in-bound and out-of-bound (OOB) management. Tap cellular access to gain access to devices when wired networks are down or not available, speeding issue resolution.

Avocent ACS 8000 Serial Console Server Features

The Avocent ACS 8000 Serial Console Server provides powerful IT management capabilities. They include:

- 4G LTE cellular connectivity for primary WAN interface and secondary failover support
- An environmental sensor port that provides visibility into device conditions onsite
- Secure in-band and out-of-band (OOB) management capabilities
- Integration with Avocent® DSView™ software for centralized management
- Fast, automated configuration with zero-touch provisioning
- Access and troubleshoot remote locations using automatic network failover to cellular, Ethernet or analog modem
- No need for adaptors with automatic Cyclades and Cisco pin-out conversions
- Compliance with data center access and security policies that are customizable and offer multiple access levels
- Expanded support for Rack PDUs from Vertiv™ Geist™, ServerTech, APC, Raritan and Eaton
- Support for Vertiv™ GXT4 and Vertiv™ GXT5 UPS systems
- IPv6 and IPv4 support for new network deployments
- Console event logging and notification, including “last gasp” capture
- Regulatory compliance and easy troubleshooting with online and offline data logging with time stamps
- Integrated support for 1Gb SFP fiber modules
- Eight USB ports to support new IT equipment with USB console ports as well as external peripherals

Manage Your Growing IT Infrastructure with Growing Precision and Ease

Here's how the Avocent® ACS 8000 Serial Console Server enhances your IT management capabilities:

- **Increase efficiency:** Gain a single point of authentication and remote accessibility to efficiently manage your network. Empower your IT team with a single tool for both inbound and OOB management.
- **Gain management capabilities:** Integrate with sensors and IoT applications and monitor environmental conditions remotely, ensuring that power and cooling are at optimal levels. Speed issue detection and resolution without needing to deploy staff to offsite locations.
- **Streamline IT processes:** Access, monitor and troubleshoot remote locations, with or without wired network access. Improve your troubleshooting capabilities and speeds, bringing devices and sites back online faster.
- **Manage all your devices:** Manage, monitor and troubleshoot servers, routers, network switches, firewalls, rack power distribution units (PDUs), uninterruptible power supplies (UPSs) and more.
- **Improve connectivity:** Exploit 4G LTE cellular, gigabit fiber, USB and sensor connectivity to streamline management tasks. Tap cellular access both as a primary WAN interface and for secondary failover and failback capabilities at sites that lack Ethernet infrastructure or secondary Ethernet networks.
- **Accelerate response:** Reduce the amount of time it takes to perform routine tasks or resolve incidents, improving uptime of mission-critical infrastructures. Avoid unnecessary trips to edge sites, increasing IT team throughput and effectiveness.
- **Automate processes:** Use zero-touch provisioning to configure new devices rapidly and automatically. Reduce manual processes and errors while responding swiftly to emerging business needs. Redeploy staff on higher-value tasks, enabling your existing team to do more.
- **Improve security:** Tightly control access to devices and locations. Only allow authorized staff to perform the jobs they have been approved to execute.
- **Integrate with other devices:** Bundle the Avocent ACS 8000 Serial Console Server with other Vertiv™ solutions such as the Avocent® DSView™ centralized management tool; Vertiv racks and cabinets; Avocent keyboard, video and mouse (KVM)-over-IP switches; Liebert and Geist™ PDUs, Geist™ UPSs; and more. Also integrate third-party devices to streamline management processes.

Conclusion

Ongoing market disruption has accelerated your organization's digital transformation efforts. In addition, the drive to remote work will continue to increase pressure on your IT infrastructure. As a data center or network manager, you play an invaluable role in enabling organizations' ongoing growth and in ensuring the business continuity of digital operations. To scale critical processes, your IT teams need centralized IT management capabilities, better visibility and processes that offer redundant or alternative access to vital infrastructures.

The Avocent ACS 8000 Serial Console Server meets these needs by providing inbound and OOB management capabilities; Ethernet, cellular and analog failover capabilities; automated processes; and security. Empower your IT teams to do their best work with the Avocent ACS 8000 Serial Console Server. Support your organization with fast, flexible processes that can be easily adapted and scaled to meet the latest business and technology requirements.