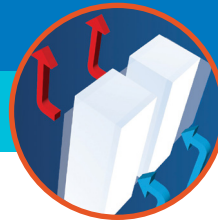


PRODUCT SOLUTIONS BRIEF
GEIST

DATA CENTER THERMAL EFFICIENCY



Through our strong global partnerships and alliances with manufacturers such as Geist, we are able to present you with the following offering to meet your specific data center requirements.

SwitchAir® Cooling

Geist's SwitchAir provides cooling solutions for a wide range of switches and airflow configurations. Because IT networking equipment is often mounted at the back of the rack, hot exhaust air from servers can enter the switch intake, leading to decreased life expectancy of switches and even failure if the problem is not handled properly.

To solve the problem, Geist has developed a passive SwitchAir unit that creates a barrier to effectively prevent hot exhaust air from entering switch intakes. Additionally, the Active SwitchAir model incorporates fans into the solution to supply cooled air from the cold aisle directly to switch intakes. Whatever the configuration, Geist can help keep your switches cool.



Prevent overheating of network switches by directing cool air to switch intakes, keeping hot exhaust air out.



CHALLENGE SOLVERS

- The SwitchAir product is suitable for cooling a wide variety of switch models and airflow configurations. Geist has the expertise to reconfigure custom brackets to fit any unusual situation and can even provide channel kits that would eliminate the need for switch rails.
- Install the SwitchAir product without interrupting power to critical equipment. Geist also provides an array of accessory kits to maximize cooling efficiency. Add accessories such as brush strips for multiple cord configurations to switches and to seal new and existing openings.
- In most cases, the SwitchAir product can be installed without unplugging the network switchgear, limiting the amount of downtime required.

THE ANIXTER APPROACH

- **Airflow segregation**
Segregate airflow to and from the IT load by using techniques based on room design and cabinet power density.
- **Airflow control**
Use data from the cooling system to control EC fans that compensate the IT load in real time.

THE GEIST SOLUTION

AIRFLOW METHOD	FORM FACTOR	SWITCH AIRFLOW PATH
Passive Active	1U 2U	Front to rear Rear to front Side to side

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WHAT WE HEAR

Challenges from various data center stakeholders:



Cabinet densities are **INCREASING**



Operational **BUDGET CUTS** year on year



Lack of **AIRFLOW MANAGEMENT**



Overwhelming **DESIGN** considerations



Matching **COOLING** to IT load

Infrastructure as a Platform
by Anixter

Infrastructure as a Platform by Anixter provides an investigative methodology that uncovers gaps in your data center thermal management strategy and helps you reclaim stranded capacity.

CONFIGURE

We help you discover and map your specific needs to the best solution.

- Switch model
- Rack units
- Intake
- Exhaust

BUNDLE

Your validated, preconfigured solutions are packaged and site ready.

- Floor grommets
- Blanking panels
- Sealing tape
- Monitoring software

DEPLOY

Controlled, repeatable solutions are delivered on time and under budget.

- Custom packaging and labeling
- Time-sensitive delivery options
- Staged project shipping
- Tailored last-mile delivery

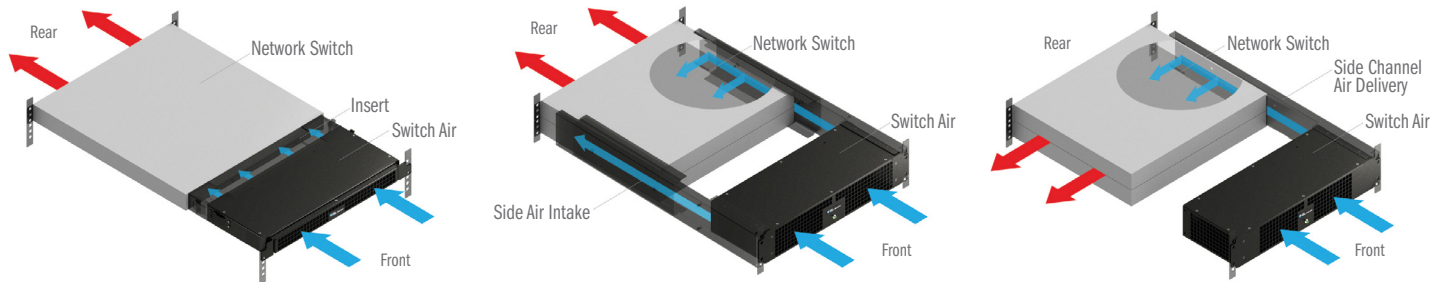
GEIST SWITCHAIR COOLING FEATURES

✓ CONTROLLED AIRFLOW MANAGEMENT

- Creates a barrier between switch air intakes and hot exhaust air
- Guides cool air from the cold aisle to the switch intakes
- Creates a channel for cold air to flow to switch intakes with passive models
- Uses fans to force cold air through the channel with active models

✓ PROVIDE IT FLEXIBILITY

- Improves airflow to switches regardless of where they are mounted
- Features a variety of configurations available to fit most switch models
- Installs in minutes while the network switch is operational
- Uses a single input cord that runs on any voltage with active models



Geist's SwitchAir provides cooling solutions for a wide range of switches and airflow configurations.

> FOR MORE DETAILS VISIT [ANIXTER.COM/SHOPGEIST](https://www.anixter.com/shopgeist)

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Legal Statement: [anixter.com/legalstatement](https://www.anixter.com/legalstatement)

For over 30 years, Anixter has been the leading global, value-added distributor of physical layer communication infrastructure solutions for office, building and campus environments. As experts in large-scale project execution, we are a trusted supplier to leading communication integrator companies and have worked with many Fortune 500 companies.

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