

# Trane® Secure Equipment Connectivity for Data Centers



Real-time performance insights that keep your mission-critical data center cool, stable, and protected.



Data centers demand uncompromised uptime, precise environmental control, and rapid response to equipment issues. Trane's secure equipment connectivity solution provides continuous visibility into Data Center Thermal system performance helping operators maintain availability, reduce risk, and optimize cooling operations.

## Why Data Centers Choose Trane Connectivity

- ✓ **Proactive Monitoring**  
Keeps critical HVAC equipment finely tuned
- ✓ **Predictive Insights**  
Identify issues before they threaten uptime
- ✓ **Faster Troubleshooting**  
During warranty and beyond
- ✓ **Long Term Analytics**  
Drive efficiency and performance improvements
- ✓ **Industry leading cybersecurity**  
Protects your operational technology (OT) environment

## Secure by Design

Trane's connectivity solution follows rigorous cybersecurity practices to protect your facility, data, and network.



### What We Collect

Only Thermal equipment operational data, nothing more.



### What Data Stays Yours

Trane uses operational data solely to support performance and service. We never share it externally.



### Secure Cloud Architecture

- Built on industry leading cloud serverless infrastructure
- Defense in-depth & Zero-trust security model
- All communication encrypted via SSL/TLS
- Continuous Monitoring and Regulatory Compliance

## Trane® Connect™ Secure Remote Access

### Purpose built for high availability environments like data centers.

Trane Connect delivers encrypted, firewall friendly remote access to your connected equipment for faster diagnostics and more reliable maintenance.

- Secure connection via your network or optional cellular path
- Multi factor authentication through Microsoft Azure
- Role based, equipment level and Attribute-based access control
- PC, tablet, and mobile support
- All activity logged for traceability



### Secure Data Collection — How It Works

- 1 Trane equipment controller initiates encrypted outbound communication.
- 2 Requires only outbound port 443 (TCP). This can be changed to a custom port.
- 3 Data transmitted via HTTPS/TLS.
- 4 Regular data updates every 5–15 minutes.
- 5 Immediate alarm notifications.
- 6 Data securely stored in Trane's cloud for analytics.
- 7 Access restricted to authenticated Trane personnel and authorized customers.

### Proven Cybersecurity Through SOC 2®, BTL®, TX-RAMP®, and ISA/IEC 62443-4-1 SDLA®, CMMC Level 2® Certified

Trane's SOC 2 certification provides independent verification of security, availability, confidentiality, and processing integrity — giving data centers the assurance they need for vendor compliance and risk management. This covers:

- ✓ Tracer® SC+
- ✓ Trane® Connect™
- ✓ Cellular Modem Solution
- ✓ Symbio® 800
- ✓ Trane Intelligent Services
- ✓ And Additional Connected Platforms
- ✓ Tracer® TU

### Why Trane for Connected Data Center Cooling

Decades of  
Mission-Critical  
HVAC Expertise

Enterprise  
Grade  
Cybersecurity

Secure Connectivity  
Purpose Built for OT  
Environments

Faster Response,  
Fewer Surprises,  
Better Uptime

CMSA: Space: [Connected Mechanical Service Agreements ... | Hub](#)  
Cybersecurity: Space: [Cybersecurity for Controls & Intelligent... | Hub](#)  
Date Center: Space: [Data Center Systems | Hub](#)



All trademarks referenced in this document are the trademarks of their respective owners.

Trane, a brand of Trane Technologies (NYSE: TT), is a global leader in climate solutions for buildings, homes, and industry. Learn more at [trane.com](https://trane.com) or [tranetechnologies.com](https://tranetechnologies.com).