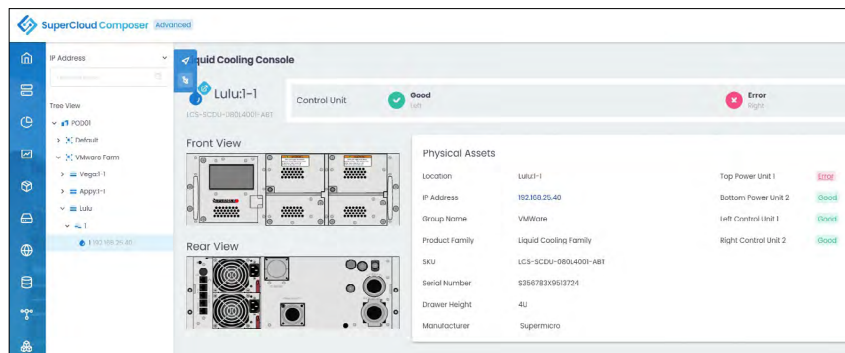# SUPERCLOUD COMPOSER®
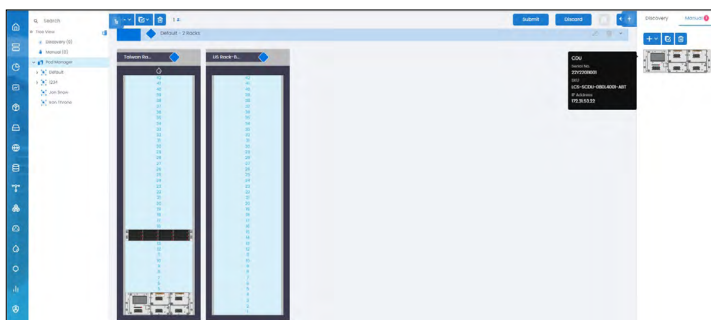## Liquid-Cooled Data Center Management Made Easy

SuperCloud Composer®'s LCCM (Liquid-Cooling Consult Module) is a powerful tool to collect vital information on physical assets and sensor data from a CDU (Cooling Distribution Unit), including pressure, humidity, pump and valve status, and more.

CDU data is presented in real-time, enabling users to monitor operating efficiency of their liquid-cooled racks. Using these insights, SuperCloud Composer® (SCC) helps the user to set up alerts, manage firmware updates, and more.
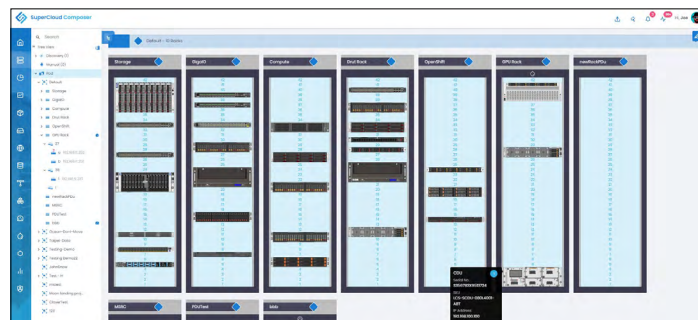
SCC is Supermicro's comprehensive and robust enterprise data center management platform, able to monitor and manage a wide, multi-generation range of servers and third-party systems from a single unified console through its data center lifecycle management features.
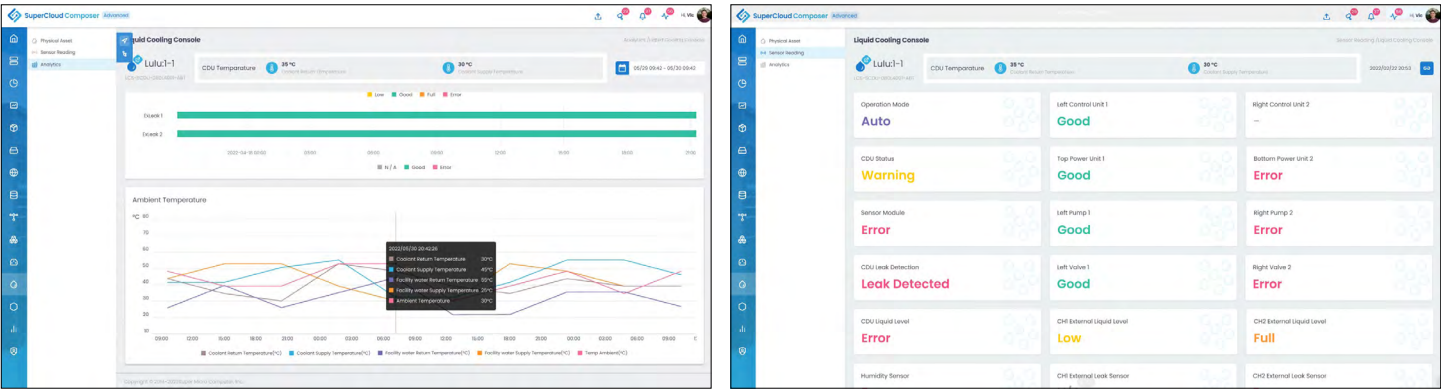

Benefits	Features
Savings in CAPEX and OPEX	• Expands on Optimized Supermicro Building Block Solutions • Third Party Vendor Support
Intelligent Data Center Management	• POD & Rack-level Management (including ToR switch) • Asset Management (Monitoring, Updates) • GPU/Storage Performance Metrics • CDU Lifecycle Management
Frictionless Deployments	• Zero Touch Provisioning for Network Configuration • Hardware Lifecycle Management for Software Defined Data Center • Northbound Redfish APIs Provides Seamless Integration
Dynamically Configured Servers	• Zero Touch OS Deployment in Seconds
Device Scaling of Resources	• Monitor and Manage Resource Pools in Composable Disaggregated Infrastructure • Software Defined Node Composer • Support for 3rd Party Devices Expands Available Resource Selection
Unified End User Experience Data Driven Decisions	• Single Pane of Glass for Data Center Deployment • Rich Analytics & Telemetry
Compliance & Governance	• Policy Based Call Alert Management • SSL Security Compliance • User Define Role Based Access Control

Utilize SCC's streamlined API to configure and register the CDU within SuperCloud Composer®'s POD View module. Once discovered, drag, and drop your CDU appliance to a fully populated liquid-cooled rack.

The POD View's rack management solution provides flexibility to organize data center requirements based on common workloads assigned to a rack deployment either at the edge or physical appliances that are miles away.

LCCM aggregates the CDU's historical data and visually represents it in charts, graphs, and tables that offer a rich, granular scope. Additionally, it provides administrators performance metrics at-a-glance, telemetry, update-to-date or comprehensive historical monitoring, predictive analytics, and accurate alert notification.

Improve PUE operating efficiency by deploying Supermicro's cold plate rack scale solutions for highly intensive AI and Big Data workloads. Supermicro's innovative liquid-cooling technology reduces power usage and lowers carbon emissions from fossil fueled power plants. Reduce the environmental footprint today for your modern data center by utilizing SCC's intuitive pane view, harvest important up-to-date sensor data in seconds, and perform critical lifecycle management decisions for HPC liquid-cooled systems.

SuperCloud Composer® License Structure

Type of Licenses	Description	License P/N
Trial License	• Free 90-days trial license with full-functionality activation. Applicable only for SCC instance.	• SFT-SDDC-TRIAL
Monitor License	• Single monitored system license activation. One license key per system managed by SCC instance.	• SFT-SDDC-SINGLE
DCMS License	• DCMS license. Required to enable advanced BMC features in SuperCloud Composer®. One license key per system managed by SCC instance.	• SFT-DCMS-SINGLE

Try SuperCloud Composer® Today!

Get the free limited trial version of the SuperCloud Composer® today and experience a new and revolutionary way to manage your data center with agility, speed, and simplicity.

Go to www.supermicro.com/scc or scan the QR code to visit the SuperCloud Composer® product web page and apply for your free 90-days trial license application:

SCC White Paper

SCC Web Page

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