

WebCTRL® 10 Software

DEPLOYABLE ON-PREMISES OR IN THE CLOUD

Automated
Logic



WebCTRL 10: The Next-Generation Evolution of Building Automation

WebCTRL 10 transforms building automation by delivering advanced visibility, intelligence, and control for optimized building performance. Building on the trusted foundation of WebCTRL's intuitive interface and powerful tools, this enhanced platform offers advanced troubleshooting for rapid issue resolution, securely hosted system backups to reduce IT burden, and insights sharing. WebCTRL empowers building owners and operators to manage energy, keep occupants comfortable, and resolve operational problems from any internet-enabled device, including desktop PCs, mobile phones, and tablets.

Key Features and Benefits

The WebCTRL system provides local to global energy management and control, and easily interfaces with all major electrical and mechanical subsystems in the building. With these capabilities and more, facility managers can access, configure, and manage building control systems in ways that best serve their operating needs and budget.

Intuitive & Comprehensive UI: Get powerful, comprehensive building management with a single, uniform interface that's easy to use and reduces training time. It integrates all building systems and uses dynamic floor plans for a quick, visual overview.

Backward Compatibility: A core pillar of WebCTRL is its commitment to backward compatibility, integrating older devices without extensive upgrades. This is crucial for maintaining operational continuity and reducing costs.

Native IP & Open BACnet: As a true open standard, WebCTRL is built as a Native IP and Native BACnet system, facilitating seamless integration with a wide range of BACnet-compliant products. This helps avoid vendor lock-in and promotes interoperability with enterprise systems.

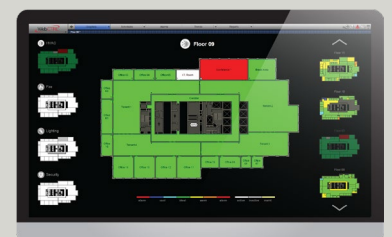
Operational & Energy Efficiency: Optimize performance and reduce energy use with native tools like Time-lapse Graphics and Fault Detection and Diagnostics (FDD), integrated ASHRAE Guideline 36-compliant, to proactively identify and respond to issues. The OpenADR 2.0 protocol is available for automated participation in energy rebate programs. A streamlined licensing framework helps reduce life cycle costs and operational burden.

Flexible & Scalable: WebCTRL is designed for long-term flexibility allowing it to scale to multi-site or multi-server installations and integrates with major electrical and mechanical subsystems in a building.

WebCTRL Ecosystem: The WebCTRL Ecosystem offers a complete solution that includes software, OptiFlex controllers, FlexPaks, and connectivity to Predictive Insights for enhanced building performance and sustainability.

WebCTRL®

The WebCTRL building automation system gives you the ability to understand your building operations and analyze the results. Integrate environmental, energy, security and safety systems into one powerful management tool that helps you reduce energy consumption, increase occupant comfort, and achieve sustainable building operations.



WebCTRL 10: New and Enhanced Features

Innovative Semantic Troubleshooting (TrailGuide™):

Visualize building system interconnections to quickly identify and trace issues for efficient troubleshooting.

Live & Hosted Backups for Rapid Recovery: Help safeguard your WebCTRL system without interruption. Schedule full or partial live backups (on-premises only) anytime, and store them wherever you choose—including our secure cloud. It's a smart way to ensure fast, reliable recovery when you need it most.

Insights Sharing: Deliver building automation insights—such as dashboards, trends, and reports—to stakeholders without BAS access—on-demand or on a set schedule. For users with BAS access, share a secure link to a specific page in the BAS.

Enhanced Trend Capabilities: Analyze data faster and easier with more data per graph and customizable colors. Generate with one-click XY scatter plots.

Smarter BACnet Discovery: Define where and how to scan BACnet networks—making discovery faster, more efficient, and easier to manage.

Robust Security & Compliance: Strengthen system defenses with the latest security patches to help ensure protection against known vulnerabilities. The BAS also adheres to industry standards and uses modernized components for a more secure and compliant system.

Fast, Accurate Commissioning (ACxelerate 3.0 add-on): With a refreshed interface and enhanced reporting, ACxelerate 3.0 simplifies auto-commissioning of dampers and reheat valves in single-duct, dual-duct, and fan-powered VAV units, helping teams save time, minimize errors, and stay compliant.

Predictive Insights (Add-On): Powered by AI, this tool transforms WebCTRL into a proactive diagnostic and optimization engine that continuously monitors HVAC and BAS data. This convenient subscription service enables AI-powered predictive maintenance, helping facility teams anticipate issues, reduce downtime, and optimize energy performance.



Software Editions and Part Numbers

WebCTRL Edition	Part #	Points Supported	Description
WebCTRL Standard	WC-S	200	For small facilities. Limited to 200 total points (includes all controller I/O + integration points).
WebCTRL Advantage	WC-A	500	For small to medium facilities. Limited to 500 total points (includes all controller I/O + integration points).
WebCTRL Cloud	WC-C	Unlimited	For small to medium facilities. ALC cloud-hosts BAS server for you. Base subscription includes support for up to 150 controllers and 20 end customer users.
WebCTRL Premium	WC-P	Unlimited	For large facilities to multi-building campuses. Unlimited points.
WebCTRL for Life Sciences	WC-LS	Unlimited	For Life Science facilities. All the features of WebCTRL Premium plus 21 CFR part 11 features including electronic signatures, electronic records, security, and reporting.

For further details on WebCTRL Editions and available advanced packages and add-ons, please refer to the [WebCTRL version comparison](#).

Specifications

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Computer Specs:	Quad core processor, 4 GB RAM, 100 Mbps or higher LAN communications	
Mobile Devices:	Smart Phones: Android™, iOS Tablets: Android, iOS, Surface™	
Browsers:	Computer operating system	Supports these web browsers
	Windows®	Google™ Chrome™ v84 or later Microsoft® Edge v84 or later Mozilla® Firefox® v79 or later
	Mac® OS X® (Apple Mac only)	Safari® v11 or later Google Chrome v84 or later Mozilla Firefox v79 or later
	Linux®	Google Chrome v84 or later Mozilla Firefox v79 or later

Server Requirements (Server Sold Separately)		
Minimum Server Specs:	Quad core processor, 4 GB RAM, 100 Mbps or higher LAN communications	
Operating System:	The following operating systems in 64-bit versions	
	Windows Server 2025 Windows Server 2022 Windows Server 2019 Windows Server 2016	Windows 11 Professional and Enterprise Red Hat Enterprise Linux® 7.4 Ubuntu 22.04 LTS, 24.04 LTS
Database:	Apache Derby (default database engine-included with purchase) The WebCTRL® v10.0 system supports the following databases (sold separately)	
	Oracle 19c MySQL through 8.0 LTS	SQL Server Express 2019, 2017, 2016 SQL Server 2022, 2019, 2017, 2016 PostgreSQL 12 through 17.2
Security:	BACnet Secure Connect (BACnet/SC) secure, encrypted data link layer Supports TLS (Transport Layer Security) v1.3 with 256 bit encryption between client and WebCTRL server	
Supports:	Unlimited simultaneous users Hierarchical server configuration for very large systems Communication to field controllers via BACnet (TCP/IP)	
Languages:	International English, Brazilian Portuguese, French, French Canadian, German, Italian, Japanese, Korean, Russian, Simplified Chinese, Spanish, Swedish, Thai, Traditional Chinese, Vietnamese, Dutch, Norwegian, Finnish	
BACnet:	BACnet Protocol Revision 19 Compliant BACnet Advanced Operator Workstation (B-AWS)	