

# XPlatform Intelligent Building Management Platform

## Overview

XPlatform is a comprehensive building management software that combines aesthetics and efficiency. Through a simple and intuitive interface design, it perfectly integrates equipment configuration diagrams and data panels, achieving graphical configuration and system level programming supervision. It supports multiple mainstream protocols such as BACnet, Modbus, MQTT, and has built-in trend analysis, task planning, and alarm functions, and is equipped with a lightweight energy monitoring system. XPlatform, with its open data interface and flexible docking mode, easily integrates multiple systems to achieve intelligent linkage of various subsystems within the building, providing a comprehensive solution for the intelligent management of modern buildings.



## Functional Features

- Establish a Building Integrated Management Software Center to centrally manage all integrated system points.
- Real-time synchronization of data from controllers for centralized processing and display; issue commands to controllers to achieve system control over edge devices.
- Implement Trend, Alarm, and Schedule functionalities, and enable synchronization with the controller side.
- Full recording and traceability of user operation logs to ensure system usage security.
- Tag Management Module allows centralized configuration of all tags in the system, improving convenience for comprehensive system usage.
- Energy & Carbon Management Function Module: the platform provides comprehensive management and display of energy and carbon emission data; can provide users with multi-dimensional energy and carbon reports, helping users effectively manage energy consumption.
- Through API interfaces, XPlatform can integrate with third-party subsystems and also can upward data transmission can be achieved.
- Built-in various data panels and professional equipment models, enabling different forms of graphic configuration and drawing.
- Supports Chinese and English versions; users can select the system language as needed.
- Optional KNX Control Management Function Module, enabling deep integration with

## Specifications

- The user interface (UI) is built on HTML and JAVA, while the data interaction interface is based on JavaScript.
- supports both C/S and B/S architectures and maintains consistent functions. The client can be compatible with Windows and Linux.
- Supports multi-user concurrent access, with no restrictions on the number of accesses.
- The database uses Gauss DB, and the operating system supports Linux, as well as domestic operating systems Euler and Kylin.
- Supports protocol types such as BACnet IP, Modbus TCP, MQTT, and GB/T28847, and supports autonomous search, scanning, mapping, and subscription of BACnet devices.
- Supports direct reading group address tables of CSV file exported from ETS, eliminating the need for manual one-by-one mapping of group address information. The system will automatically perform structured extraction of group addresses, accurately recognizing the hierarchical structure of KNX group addresses. Automatically captures key attributes such as group address names and data point types.
- The north-south data interface is fully open, supporting third-party system access, and supporting upper level data platforms such as cloud platforms to obtain data or counter control.
- Provide mini program software for remote access.
- Graphic with graphical configuration UI, platform and mini program are uniformly adapted to multiple terminals.
- Capable of accessing 30000 points and expanding software and hardware access capabilities as needed.
- Adopting a master-slave (Peer to Peer) communication method, communication between all on-site controllers can still be maintained smoothly in the event of a central monitoring host failure.
- Built in hardware level secure encryption, compliant with TPM data security communication specifications.
- Support alarm/logic/event and hardware linkage, with equipment alarm and system alarm capabilities. It can be set according to importance and priority level, and can also emit alarm sound and computer screen display.
- Intuitively displays carbon emission and energy consumption data through dashboards, supporting filtering, querying, and detailed data viewing.
- Supports four-level carbon flow distribution display, allowing users to view carbon emission data by time and export reports, facilitating analysis of carbon emission sources and trends.

## Workstation Ordering Information

XPlatform is delivered as an integrated hardware and software solution, therefore each workstation has corresponding matching software.

Product Series	Model	Description
XServer	BAC-5431-400	Core i3-1115G4E dual-core 2.2GHz, 16GB DDR4, 1TB SSD, TPM2.0. Entry-level. Supports up to 5000 points. Must be ordered together with software BAC-SP01-1.
	BAC-5441-400	Core i5-1145G7E dual-core 1.5GHz, 32GB DDR4, 1TB SSD, TPM2.0. Standard. Supports up to 9000 points. Must be ordered together with software BAC-SP01-2.
	BAC-5451-400	Core i7-1185G7E dual-core 1.8GHz, 32GB DDR4, 2TB SSD, TPM2.0. Standard. Supports up to 15,000 points. Must be ordered together with software BAC-SP01-3.
	BAC-5451-401	Core i7-1185G7E dual-core 1.8GHz, 64GB DDR4, 2TB SSD, TPM2.0. Standard. Supports up to 30,000 points. Must be ordered together with software BAC-SP01-4.

## Software and Application Service Ordering Information

Note: All add-on modules and functions must be added on top of one of the four BAC-SP01-X base point license versions.

Product Series	Model	Description
XPlatform	BAC-SP01-1	Base Edition - 1000 points or 1000 KNX group addresses. Supports 10 third-party devices /Opens 2 concurrent access permissions (WEB client & Mini Program).
	BAC-SP01-2	Standard Edition - 6000 points or 6000 KNX group addresses. Supports 40 third-party devices /Opens 5 concurrent access permissions (WEB client & Mini Program).
	BAC-SP01-3	Advanced Edition - 10000 points or 10000 KNX group addresses. Supports 60 third-party devices / Opens 8 concurrent access permissions (WEB client & Mini Program).
	BAC-SP01-4	Premium Edition - 20000 points or 20000 KNX group addresses. Supports 100 third-party devices / Opens 15 concurrent access permissions (WEB client & Mini Program).
	BAC-EP01-1	Energy Management Solution Software Module, 100 meters.
	BAC-EP01-2	Energy Management Solution Software Module, 300 meters.
	BAC-EP01-3	Energy Management Solution Software Module, 500 meters.

BAC-SP01-A1	1000 points Upgrade Package.
BAC-EP01-A1	100 meters Upgrade Package.
BAC-SP01-B2	Main Version Upgrade Service.
BAC-SP01-C1	1-Year Software Maintenance.
BAC-SP01-C2	3-Year Software Maintenance.
BAC-SP01-C3	5-Year Software Maintenance.
BAC-SP01-D1	Hot Standby Function (requires additional purchase of an industrial computer).
BAC-SP01-E1	Open data interface, transmission functionality only.
BAC-SP01-E2	Open data interface, transmission and control functionality.
BAC-SP01-F1	Web Access Permissions (WEB client & Mini Program access license).
BAC-KNX1-1	KNX System Management Module Software License.

---

Copy Right @Adveco Technology Co., Ltd.

All specifications herein are current as of the document revision and subject to change without notice.