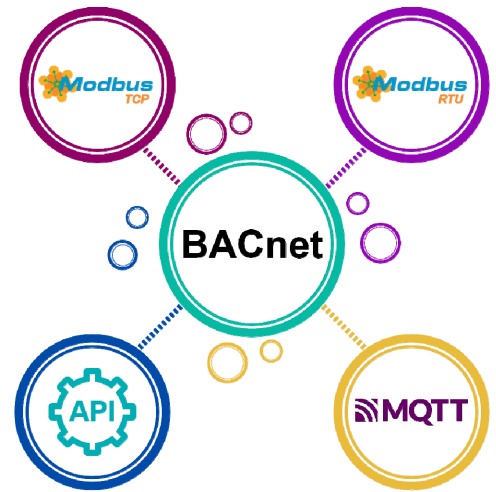


【 Application Notes 】

BACsoft-nBP is an extension software designed to add integration of non-BACnet protocols to BACsoft software. BACsoft is a set of BTL-certified BACnet-compliant workstation software designed to monitor and control BACnet systems, and can communicate with all BACnet-compliant devices. But in practice, Even if the main architecture is a BACnet communication system, still need to integrate other systems/devices through other protocols. In this case, it is necessary to add a lot of communication converter/gateway equipment to the system, which not only increases the cost of equipment, but also increases the cost of construction/wiring. Most Gateway devices only support 1-to-1 conversion of different protocols, not 1-to-many, and the configuration of points is often large, and the integration of a small number of points or sporadic points is still costly.

In order to solve the above common problems in integration, AIRTEK has launched this set of integration tools to enable BACsoft to integrate other protocols directly on workstation computers without the need for additional Gateway devices, and a wide range of optional point counts to solve the problem of high cost of installation and sporadic point counts. BACsoft-nBP series expansion software is the best tool for you to integrate non-BACnet protocols.



【 Product Features 】

- It can integrate common protocols including Modbus RTU, Modbus TCP, MQTT, API and so on.
- The number of all non-BACnet communication points can be matched by the user, and the number of points allocated to each protocol can be set by yourself by using non BACnet Points integration, and the number of points allocated to each protocol can be changed at any time according to the need, which is highly flexible.
- API / MQTT is a non-point-to-point conversion. When integrating, it can read back one [data structure] according to the command line, and one [data structure] can convert multiple data points/data types, so that users can customize different data types (state/value/text) in the data structure to correspond to the corresponding BACnet attributes.
- Unlike the hardware Gateway, BACsoft-nBP can be configured to write the converted data directly to the BACnet external devices, so that the integrated devices do not need to write a separate program if there is a need to read or write across the devices, which saves labor and time.
- Various point configurations allow users to save money by purchasing the number of points they need at the right time.
- If the number of existing licenses is insufficient, you can directly upgrade the licenses to meet the required number of points without purchasing new licenses.
- The Modbus conversion editor interface is the same as the AIRTEK series PC-MP/ME Modbus to BACnet Gateway, so users who are already familiar with the related products can get started quickly.
- Applications integrated through APIs use API standard formats that comply with the Taiwan Association for Information and Communication Industry Standards (TAICS).
- In addition to the editing interface provided by BACsoft software, the point conversion editing of Modbus and TAICS API can be imported/exported to Excel for editing, which improves the ease of use and portability of editing files.
- In addition to BACnet-AWS workstation software, BACsoft-nBP can also be installed in BACnet-OWS micro workstation controllers to expand the controller's Gateway functionality.

Monitoring equipment

BACsoft PC Controlled Non-BACnet Points Software License

BACsoft-nBP

【 License Specification 】

Model No.	Integration points
BACsoft-nBP-XS	100
BACsoft-nBP-S	200
BACsoft-nBP-M	500
BACsoft-nBP-L	1000

【 Optional Accessories 】

- ◆ USB to RS-485 Adapter Cable



OP-1030-PC1

【 BACsoft-nBP Wiring Diagram 】

