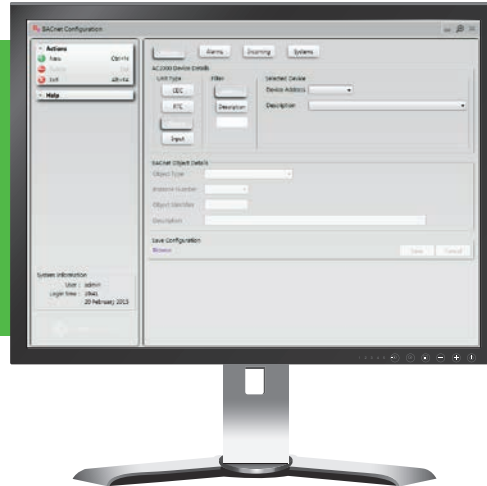


AC2000 BACnet Interface

Integration to BMS, HVAC and other systems



Features that make a difference:

- Seamless integration to BACnet systems over TCP/IP (BACnet IP)
- Windows style GUI for ease of configuration and data entry
- Map AC2000 Devices and Inputs to BACnet Objects
- Define how BACnet objects and received COVs can be displayed as AC2000 Security Hub Alarms
- Define how AC2000 Alarms utilise BACnet Objects
- Operational/Non Operational Alarms
- Duress and Tamper Alarms
- Lost/Stolen card alarm
- Card Reader Off-line and other Reader event alarms

The AC2000 BACnet interface provides a simple and efficient way to integrate AC2000 access control and security management solutions with third party building management systems. BACnet is a communications protocol for Building Automation and Control Networks.

The AC2000 BACnet interface enables alarms to be sent in BACnet protocol to third party systems including building management systems, HVAC, fire and any other systems with a BACnet interface.

The interface is bi-directional, allowing for the both the sending of AC2000 alarms and the receipt of third party Change of Value (COV) BACnet messages, which can then be displayed on the AC2000 Security Hub this means that AC2000 can be deployed as a security management solution, providing the ability to display and monitor all integrated alarms.

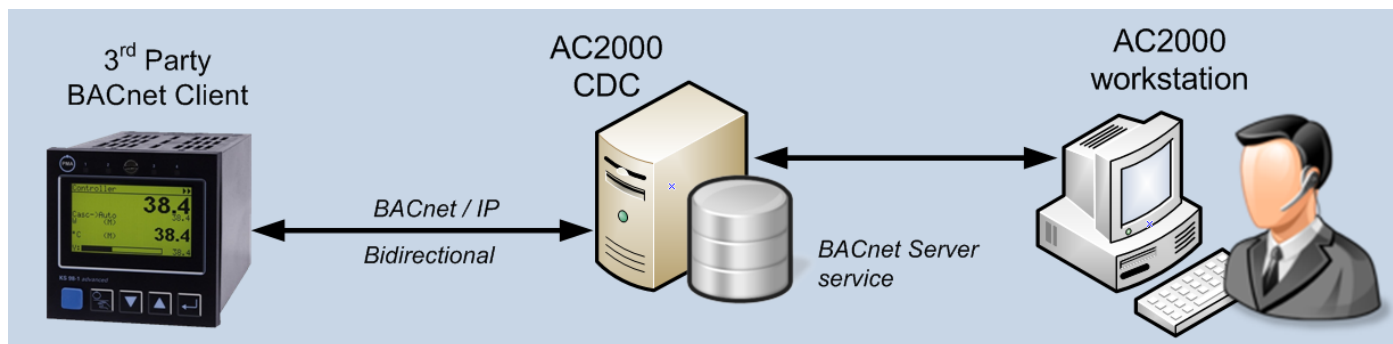
Example AC2000 supported services:

Exports/Initiates

- UnconfirmedCOVNotification
- UnconfirmedEventNotification
- ReadPropertyMultiple
- Whols
- IAm

Imports /Executes

- UnconfirmedCOVNotification
- ReadProperty
- ReadPropertyMultiple
- WriteProperty
- WritePropertyMultiple
- Whols
- IAm



Example Supported BACnet Objects:

The following objects are supported for incoming data, such as from a COVNotification and WriteProperty on Present_Value,

- Binary Input
- Access Door(Reader) Object
- Binary Value Object
- MultiState Value Object

Alarms, Events and Change of Values (COVs)

The status_Flags and Event_State Properties are used to indicate the presence of a Fault or Alarm condition. The Door_Alarm_State is used to give more information as to the type of alarm.

Input Properties

The AC2000 Reader and I/O Controller Inputs are represented as Binary Input Objects. Objects of this type have many properties such as ObjectID, Name, Value, State, Text, Time etc. GUI filters allow filtering where long lists of Devices occur.

Change Of Value (COV)

The COV tool is used to map BACnet events through to AC2000 events, thus enabling AC2000 to display

these events onto the Security Hub. In addition, the Systems Tab is used to specify external BACnet Systems, to which out-going COV Notifications are sent.

Configuration

An easy to use application is used to configure required BACnet alarm/event outputs.

Using the BACnet Configuration tool, AC2000 Device and Alarm events are configured to output as BACnet events. COVs (Change Of Values) events are BACnet events coming into AC2000.

Communications

Bi-directional BACnet communication via BACnet IP.

Requirements

- Security Hub and Video Viewer available from AC2000 v7.1 Service Pack 1 upwards
- AC2000 v6.5 software and upwards
- AC2000 Airport v6.6 software and upwards

Ordering Information

Product Code	Description
SWBACNET	BACnet interface licence

Related Products



AC2000
AC2000 Airport