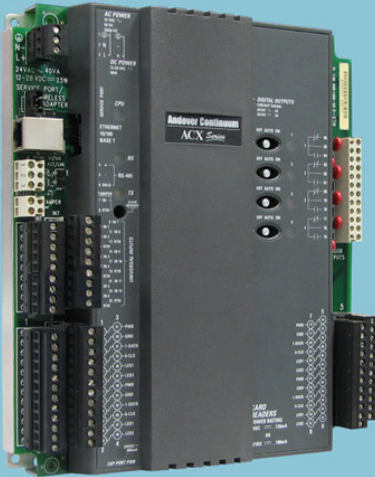


FEATURE BLAST



ACX Series Access Controller *for Ethernet* including Infinet Field Bus Support

Product Description

TAC is proud to announce the ACX Series of Access Controllers for Ethernet - now with the option for Infinet Field Bus support! The ACX Series controllers are the industry's most powerful all-in-one access controllers designed for both critical government and private sector security applications. These Andover Continuum controllers are just as attractive for one to eight door installations.

Onboard I/O for Access Control

As part of this ACX Series release, TAC introduces two base hardware models: the 5720 and the 5740. The 5740 has double the inputs, readers and outputs onboard as the 5720. These models come standard with the following I/O configurations:

ACX Series	5720	5740
Universal Inputs	6	12
Reader Inputs	4	8
Tamper Input	1	1
Digital Lock Outputs	2	4

The ACX is designed to support both entry and egress readers while supplying +5 or +12 VDC to each reader.

Two base models to handle a variety of installations.

10/100 Base-T Ethernet with 192-bit IPsec/IKE Encryption

Communications with the ACX is not only fast (supporting data transfer rate up to 100 Mbps) but secure with IPsec/IKE protocols for Network Security. Encryption (up to 192-bit) and authentication may be enabled for communications to and

from Andover Continuum workstations and controllers. Andover Continuum v1.8 utilizes Internet Protocol Security (IPsec) and Internet Key Exchange Protocol (IKE) to assure tamper-proof communications over the Ethernet between IP controllers and workstations.

Establish fast and secure IP Communications with IPsec/IKE for Network Security.

Store 480k Personnel Records

The ACX Series is perfect for large systems. A controller servicing up to 8 areas can hold 480,000 personnel records. With such a large local storage capacity, access decisions can be made swiftly without waiting for validation by a remote server.

Store Personnel Records locally!

More Memory – Flash Memory

Each ACX Series controller comes standard with 32MB of flash memory and 128MB of dynamic RAM. The flash memory is used to preserve 12MB of application data. The dynamic RAM is partitioned for dedicated functions: for applications - a full 12MB, for personnel records - an amazing 48MB and for the operating system - 8MB is reserved. The unused memory is available for future enhancements.

Personnel record data is preserved using on-board batteries that can hold the data for at least 7 days without the use of an external UPS. When power is disconnected for periods longer than what the batteries can hold, CyberStation can automatically download the data when the controller power and communications are restored.

Memory that is unforgettable with dynamic memory retention!

Advanced Reader Inputs with dedicated processor

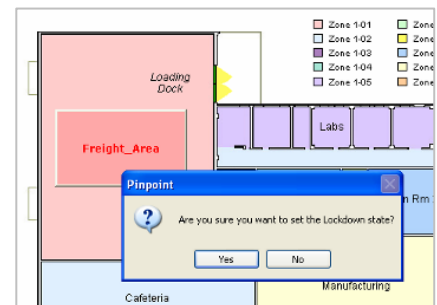
The reader inputs are powered by a dedicated processor allowing the ACX Series controllers to support current and future devices for advanced applications. The ACX Series hardware is ready to support 256-bit data messages from the reader.

Leverage the power of the latest reader technologies.

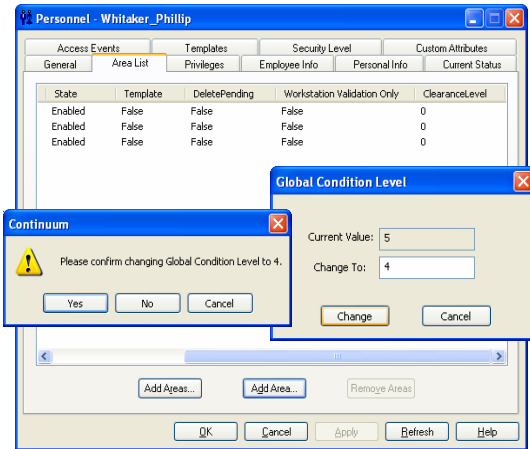
Support for Area Lockdown

It is important to be able to contain potential threats when they are detected. The ACX controller can respond to Area Lockdown commands set from Andover Continuum v1.8 software providing a quick method for sealing off areas. A simple click of a graphic or an automatic program response is all that is needed to disable card readers and exit requests in any given area. First responder personnel can still gain access to the area if their record is marked with "executive privilege".

Rapidly "Lockdown" areas when potential threats are detected.



Condition "Threat" Level-based Access Rights



The ACX Series controller can adapt access rights to a change in condition or "threat" levels as the U.S. Department of Homeland Security refers to them. Each personnel record can now be assigned a clearance level for each area to which they have access. When the condition is more severe than the person's clearance level, access is automatically denied. The Condition Level may be set manually through CyberStation v1.8 or automatically through a program. A program can even be written to monitor national threat levels and adjust Andover Continuum Condition Levels accordingly. Although the U.S. government only calls for five condition levels of threat, v1.8 is capable of assigning up to 255 condition levels for local security needs.

Automatically Adjust Access Rights when conditions and threat levels change.

xP Module Support

Each model supports the use of xP expansion modules. As with the bCX1, the xP expansion rules are the same – 2 modules plus a display. Since the xPBD4 and xPDO4 expansion modules are supported by the ACX Series, some very exciting and cost effective combinations can be created. Here are some examples:

ACX Series – Model 5720							
xP Modules	#of Doors	Entry Reader	Egress Reader	Universal Inputs	Inputs / Door	Digital Outputs	Outputs / Door
-	2	•	•	6	3	2	1
(1) xPDO4	2	•	•	6	3	6	3
(1) xPBD4	2	•	•	10	5	6	3
(1) xPBD4	4	•	•	10	2	6	1
(1) xPBD4 & (1) xPDO4	4	•	•	10	2	10	2
(2) xPBD4	4	•	•	14	3	10	2

ACX Series – Model 5740							
xP Modules	#of Doors	Entry Reader	Egress Reader	Universal Inputs	Inputs / Door	Digital Outputs	Outputs / Door
-	4	•	•	12	3	4	1
(1) xPDO4	4	•	•	12	3	8	2
(1) xPBD4	4	•	•	16	4	8	2
(1) xPBD4	8	•	•	16	2	8	1
(1) xPBD4 & (1) xPDO4	8	•	•	16	2	12	1
(2) xPBD4	4	•	•	20	5	12	3

Combine with xP Modules to create a controller tailored for your needs.

Wired Infinet or Wireless Infinet Field Bus Support

Each ACX Series controller can support up to 32 Infinet nodes. The RS-485 programmable port can be set to support a wired or wireless Infinet field bus. To use a wireless mesh network, plug an Andover Continuum Wireless Adapter into the Service Port.

Expand your integrated system by using field bus support on your access controller.

Enhanced Card Format Support

The ACX Series controllers are ready to support a wide range of card formats. Ideal for retrofits, an ACX controller lets you preserve existing cards by accepting standard formats (Weigand, ABA, HID Corporate-1000, CardKey) as well as custom formats (Custom Weigand, Custom ABA). The ACX Series hardware is designed to support card formats up to 256-bits. Firmware is available to support new FIPS card formats on special request.

Support for the past while planning for the future of access card technologies.

SNMP Support

Send SNMP (Simple Network Management Protocol) messages to network monitoring software such as HP Openview to inform IT managers as to the health and presence of the access controller on a corporate network.

ACX Series is IT Friendly.

XDriver Support

The ACX Series is available with XDriver support to third-party devices. For example, tie your access control into emergency lighting and power systems for added security benefits.

The ACX Series is compatible with 2nd Generation Continuum XDrivers. The BACnet/IP, Modbus/RTU, Modbus/TCP, and Plain English Filter drivers are some of the ones that have been recompiled and tested for the new hardware. In the future, other drivers may be made available for the ACX Series.

Link Andover Continuum with third party equipment for a comprehensive solution.

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