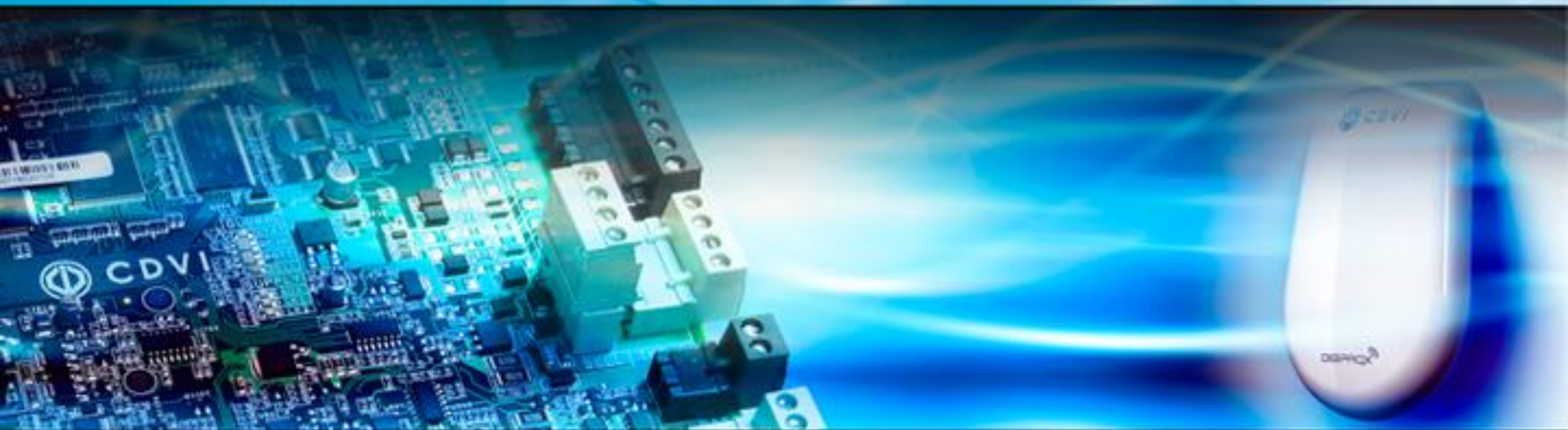


# **TRIUM**

A C C E S S   C O N T R O L

**Performance  
Merging with Simplicity**

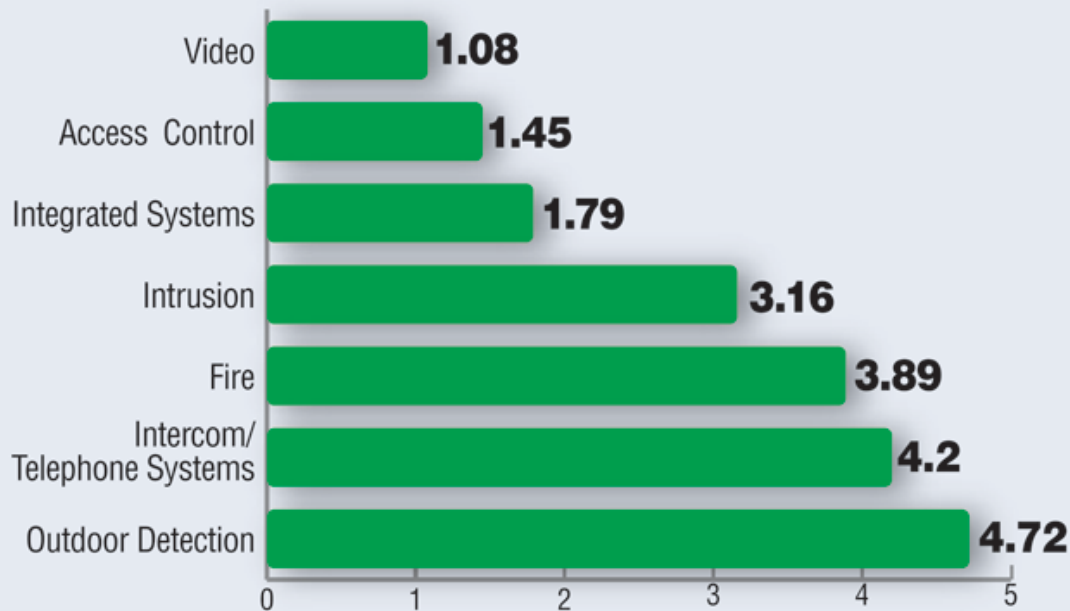


# **ACCESS CONTROL MARKET**



## Product Revenue Source Ratings

(1 = most popular, 5 = least popular)



Video strengthened its hold on the top slot and **access control increased its lead over the other product revenue sources**. The only position change was fire elevating over intercom/telephone systems. Fire was dead last two years ago.

**Security Sales Magazine,  
April 2010**



## Doors/Opening Per Access Control Installation

No. Doors/Opening	Systems Integrators	Security Dealers
1-5	24%	51%
6-10	32%	36%
11-25	38%	12%
More than 25	6%	1%

Integrators are lessening their involvement in projects totaling fewer than 11 access openings (70 percent in prior study). The 11+ ranges increased 6 percentage points.

**Security Sales Magazine,  
April 2010**



# **Up to 10-Door installations**

# **56%**

**Systems Integrators**

# **87%**

**Security Dealers**

**Security Sales Magazine,  
April 2010**





## Average Number of Access Control Systems Per Month

No. Installations	Systems Integrators	Security Dealers
1-4	55%	74%
5-9	31%	18%
10-14	7%	2%
15-19	3%	0%
20-24	0%	4%
25+	4%	2%

Integrators reporting in excess of four access projects per month rose 20 percentage points. The 5-9 bracket more than doubled. The average integrator takes on six access jobs monthly.

**Security Sales Magazine,  
April 2010**



# Average installations per month

**6**

**Systems Integrators**

**4**

**Security Dealers**

**Security Sales Magazine,  
April 2010**



## Electronic Security System Supply & Demand (million dollars)

Item				% Annual Growth	
	2004	2009	2014	09/04	14/09
Electronic Security System Demand	<u>8665</u>	<u>10900</u>	<u>17000</u>	4.7	9.3
Access Controls	2505	4000	7300	9.8	12.8
Alarms	2355	2020	2860	-3.0	7.2
Closed-Circuit Television	1120	1140	1600	0.4	7.0
Other	2685	3740	5240	6.9	7.0
- net imports	1430	1935	3100	6.2	9.9
Electronic Security System Shipments	7235	8965	13900	4.4	9.2

Source: The Freedonia Group, Inc.







**ATRIUM**  
ACCESS CONTROL

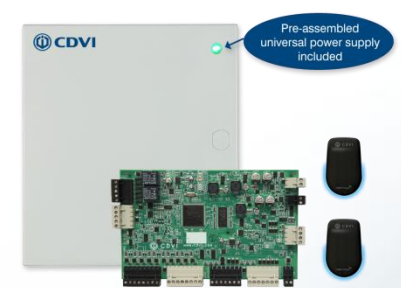
**Performance merging with Simplicity**





# ATRIUM

## ACCESS CONTROL



- Embedded web server
- Free multiple account system software
- On-board Ethernet
- Fully operational in minutes
- Straightforward and user-friendly

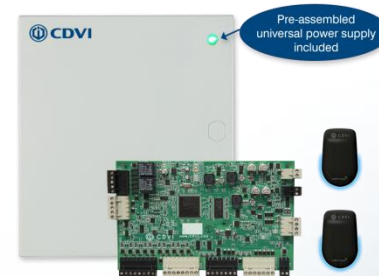
Performance merging with Simplicity





# ATRIUM

## ACCESS CONTROL



- 10 door access system
- 1000 User/Card database
- Fast and simple card enrolment
- Area-based access rights
- Available in convenient kits

Performance merging with Simplicity





# User/Card Enrolment Mode



Performance merging with Simplicity





## User/Card Enrolment Mode

- Add or Delete Users/Cards effortlessly
- Activate enrolment mode without computer
- Quick access control for ongoing construction projects
- Master & Programming cards included



Performance merging with Simplicity





## 3 easy ways to activate Enrolment Mode

1. Using the Master and Programming cards
2. Pressing the Mode button on the controller
3. Via the advanced system software



Performance merging with Simplicity







## Enrolment Mode – Easy as 1-2-3

1. Present the Master card
2. Access the door and swipe the Programming card
3. Add or delete users/cards with a simple card swipe



Performance merging with Simplicity





# System Schedules



- 100 schedules for any situation
- 100 time periods per schedule
- Repeating time period sequences
- Easy-to-understand graphical interface
- Easily accommodate irregular shift settings

Performance merging with Simplicity





# System Schedules



- Click-and-drag time settings
- Simple double-click to create time periods
- Zoom in for precision time settings
- Continuous time periods (midnight AM/PM)
- Multiple day holidays
- Include or exclude holidays

Performance merging with Simplicity



# TRIUM

## ACCESS CONTROL

**Schedule Properties**

**General Information**

Display Name: Schedule Day Shift 1

☒ Active

Start Date: 2011-01-01

Cycle Length (days): 7

**Schedule** **Holidays** **Notes**

Week Month 16 - 22 October 2011

	16 Sunday	17 Monday	18 Tuesday	19 Wednesday	20 Thursday	21 Friday	22 Saturday
0:00							
3:00							
6:00		06:00 - 14:00	06:00 - 14:00	06:00 - 14:00	06:00 - 14:00	06:00 - 14:00	
9:00							
12:00							
15:00							
18:00							
21:00							

**Zoom**

Double-click calendar grid to add a new time period.

Save Cancel

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# System Holidays

- Recurring annual holidays
- Span multiple days (vacation/holiday shut down)
- Rule-based (1<sup>st</sup> Monday of September)

Performance merging with Simplicity





# TRIUM

ACCESS CONTROL

**Holiday Properties**

**General Information**

Display Name:

☒ Active

Date:

Start Time:

Length (dd:hh:mm):

☒ Occurs Yearly

☒ Use Relative Day:

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## System Areas

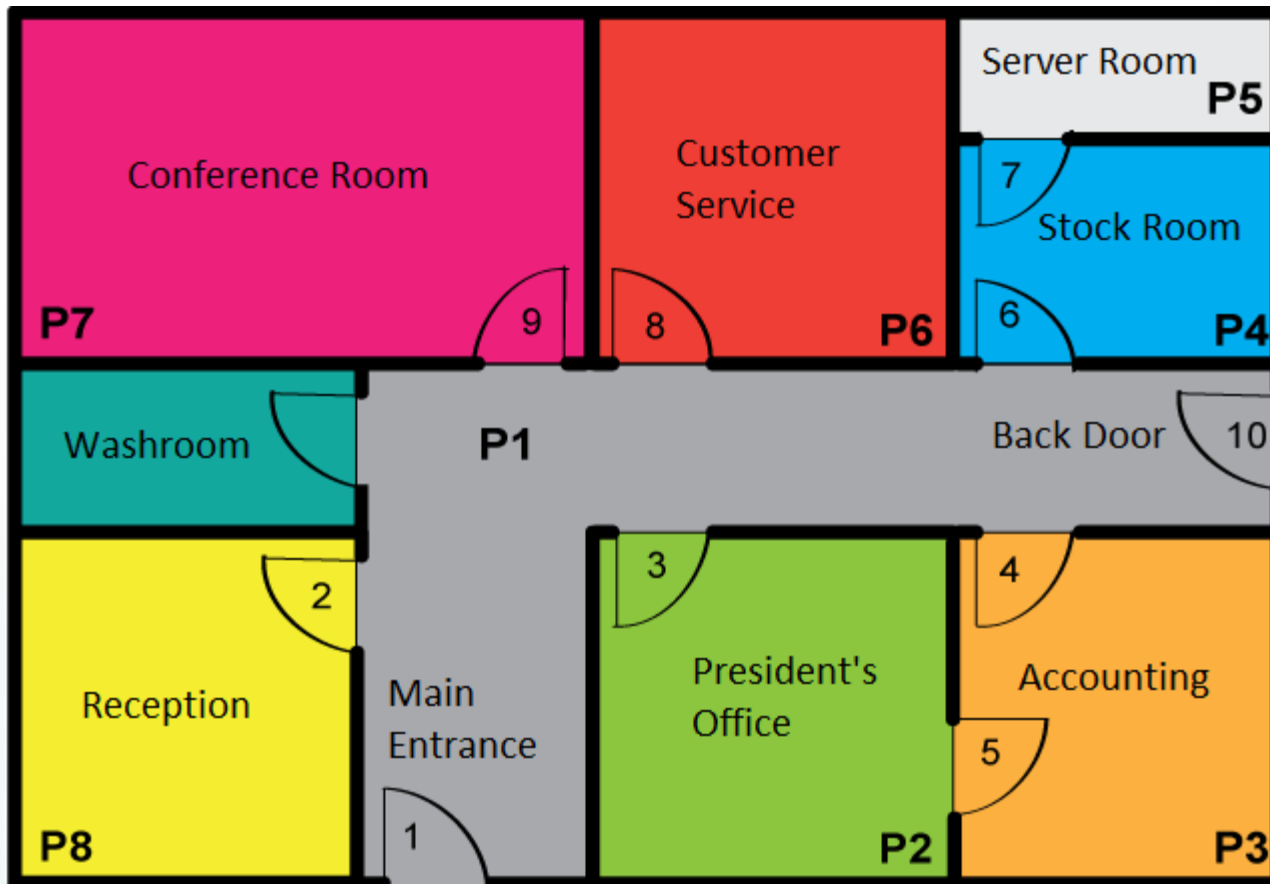
- Up to 10 areas
- Area-based access rights
- Industry-first access control concept
- Manage access with border-based areas

Performance merging with Simplicity



# ATRIUM

ACCESS CONTROL



Performance merging with Simplicity





# Macro Commands

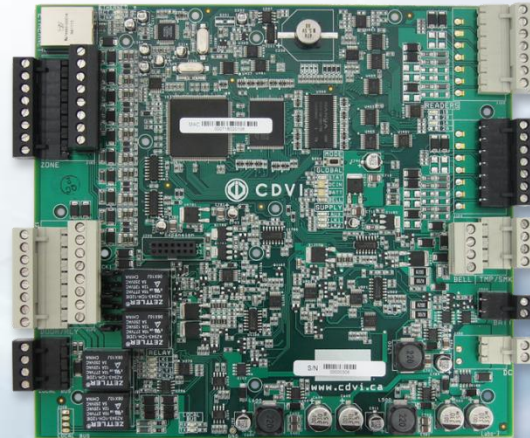
- Simple yet powerful
- Create multiple macro commands
- Event-driven or system status trigger elements
- Lock/Unlock doors temporarily or permanently
- Input/Output activation
- Board-level execution – no PC required

Performance merging with Simplicity





# Atrium-Finder Utility



Performance merging with Simplicity





# Atrium-Finder Utility

The screenshot shows a window titled 'Atrium Finder'. At the top, there are three buttons: 'Refresh', 'Modify', and 'Go To Web Page'. Below these buttons is a table with the following data:

Serial Number	Display Name	Product Code	IP Address	Port	MAC Address	Uses DHCP	
00-00-03-09	CDVI Group	A-C22	192.168.0.14	10000	00:07:18:02:01:10	<input type="checkbox"/>	

- Automatically find Atrium's IP address
- Simple yet powerful utility
- Displays key controller information
- Login to Atrium's web page
- Password protected



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Internet Explorer



Firefox



Google Chrome

- Supports all standard browsers
- User/Card management
- Manually lock/unlock doors
- View system/access/door events
- AES 256 bit encryption

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# Secure Login



The screenshot shows a web browser window with the ATRIUM CDVI Group logo at the top. The main content area is titled "Login" and contains a light blue login form. The form has two input fields: "Username" with the text "admin" and "Password" with masked characters ".....". To the right of the password field is a link that says "Forgot your password?". Below the form is a button labeled "Enter". At the bottom center of the page is the CDVI logo.

**ATRIUM** CDVI Group

## Login

Username

Password  [Forgot your password ?](#)


Enter

 CDVI

Performance merging with Simplicity



# User Management

 **CDVI Group**

USER MASTER [Logout](#)

Users

Doors

Holidays

Schedules


Access Levels

All Events



Module Information

+



-



Last Name	First Name	State
INSTALLER	USER	✓
MASTER	USER	✓
PROGRAMMING	USER	✓





Page 1 of 1



Total users : 3

Legend

 Active

 Inactive

User

Cards

Access Levels



Events

Info



Refresh

User [ USER MASTER ]

Date & Time	Description
2012-12-10 15:51:34	User Login Programming Changed
2012-12-10 15:51:34	Programming Changed
2012-12-10 15:42:44	has logged in using the web interface
2012-12-07 21:49:04	User Login Programming Changed
2012-12-07 21:49:04	Programming Changed
2012-12-07 21:45:58	User Deleted
2012-12-07 21:45:58	User Login Deleted
2012-12-07 21:45:48	User Deleted
2012-12-07 21:45:48	User Login Deleted
2012-12-07 21:45:48	User Deleted



Page 1 of 10



Total events : 100

Performance merging with Simplicity



# Lock/Unlock Doors

**ATRIUM** CDVI Group USER MASTER [Logout](#)

Users **Doors** Holidays Schedules Access Levels All Events Module Information

Reset Lock Unlock Grant Access

Display Name	State	Lock
Main Door		
Back Door		
President		
R&D		

**Legend**

Closed Opened Pre-Alarm Alarm/Forced  
 Locked/Unlocked Locked/Unlocked by Operator Trouble Unknown

Events

Refresh Door [ 0000047F ]

Date & Time	Description
2012-11-26 16:46:58	Locked After Access
2012-11-26 16:46:53	Unlocked For Access
2012-10-24 16:36:03	Programming Changed by User [ USER MASTER ]
2012-10-24 16:25:14	Locked After Access
2012-10-24 16:25:09	Unlocked For Access
2012-10-22 22:27:08	Locked After Access
2012-10-22 22:27:01	Unlocked For Access
2012-10-18 10:39:00	Locked by User [ USER INSTALLER ]
2012-10-18 10:38:57	Unlocked by User [ USER INSTALLER ]
2012-10-10 23:21:56	Locked by User [ USER INSTALLER ]

Page 1 of 4 Total events : 35

Performance merging with Simplicity



# Holidays

**ATRIUM** CDVI Group USER MASTER [Logout](#)

Users Doors **Holidays** Schedules Access Levels All Events Module Information

+ -

Search holidays here....

Q

Holidays	State
New Year	✓
Christmas	✓
Labour Day	✓

Page 1 of 1 Total Holidays : 3

Holidays

Edit Save Cancel

General Information

State ☒ Active ☐ Inactive

Label

☒ day

25 of December

☐ the

Last Sunday December

Occur

☒ Yearly

☐ On 2010 (year)


Start Time 0 : 0 (hour / minute)

Duration 1 : 0 : 0 (day / hour / minute)

Performance merging with Simplicity



# Schedules

 **CDVI Group**

USER MASTER  
[Logout](#)

UsersDoorsHolidays**Schedules**Access LevelsAll EventsModule Information

+

-

Search schedules here...

Q

Schedules	State
Schedule Never	✓
Schedule Always	✓
Programming	✓
8 to 17H	✓
Evening Shift 1	✓
Night Shift 3	✓
Day Shift 2	✓
Evening Shift 2	✓
Night Shift 2	✓
4 / 4	✓
4 / 3	✓
2 / 2	✓
Schedule 5D 4D 9H	✓
Schedule 12H 24H 12H 58H G1	✓
Schedule 12H 24H 12H 58H G2	✓
Schedule 12H 24H 12H 58H G3	✓

Page 1 of 2Total schedules : 21

SchedulePeriodsHolidays

EditSaveCancel

General Information

State

☒ Active

☐ Inactive

Label

8 to 17H

Start Date

2011 / 1 / 1

(year / month / day)


Cycle (day)

7

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# Access Levels

 CDVI Group

USER MASTER  
[Logout](#)

UsersDoorsHolidaysSchedules**Access Levels**All EventsModule Information

+

-

Access Levels

State

Accounting	✓
Access Level Always	✓
Programming	✓
Administration	✓

Page 1 of 1

Total access levels : 4

Areas

EditSaveCancel

General Information

State

☒ Active☐ Inactive

Display Name

Accounting

Areas

Area 01

Schedule Never

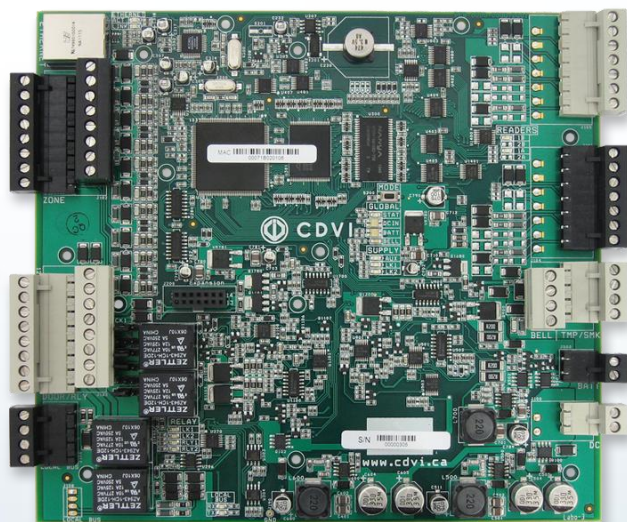
Performance merging with Simplicity



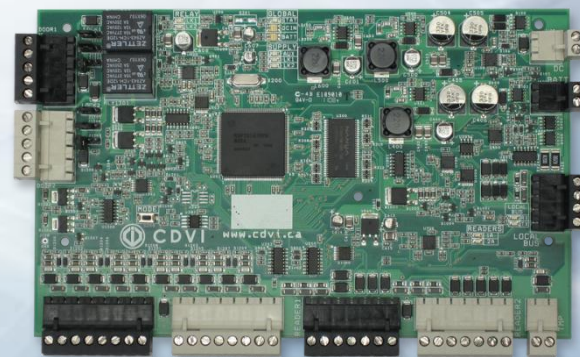




# System Hardware



**AC22 Controller**



**AX22 2-Door Expander**

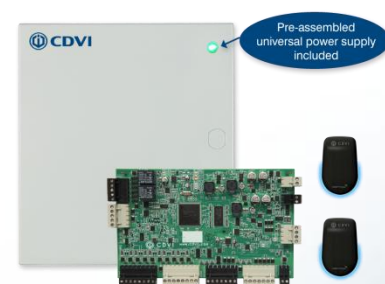
Performance merging with Simplicity





# ATRIUM

## ACCESS CONTROL



- Universal power supply included
- On-board Ethernet port
- Supports 2 card readers
- Up to 10 readers using AX22 door expanders
- 1000 event buffer

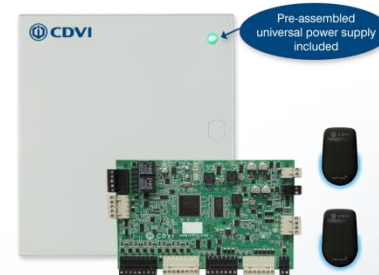
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# ATRIUM

## ACCESS CONTROL



- Fuseless technology
- Independent smart supply lock outputs
- Auto-resume supervised cut-off circuits
- Comprehensive LED status indicators
- 20 individually programmable inputs (zone doubling technology)

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# ATRIUM

## ACCESS CONTROL



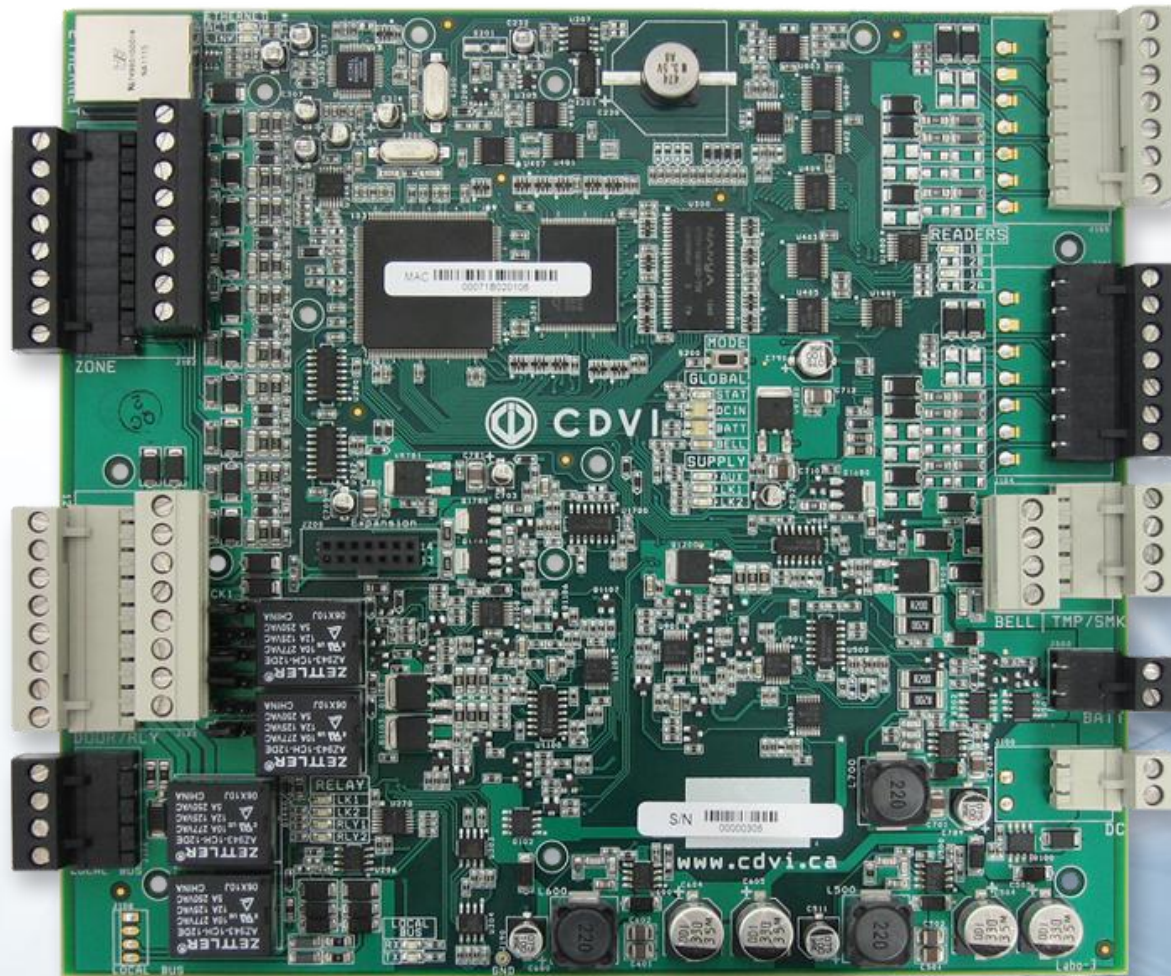
- Auto-detect expansion technology
- No DIP switch addressing
- No EOL or BIAS jumpers
- Star or daisy-chain topology
- Reduce costs with 4 conductor cabling

Performance merging with Simplicity





# AC22 Door Controller

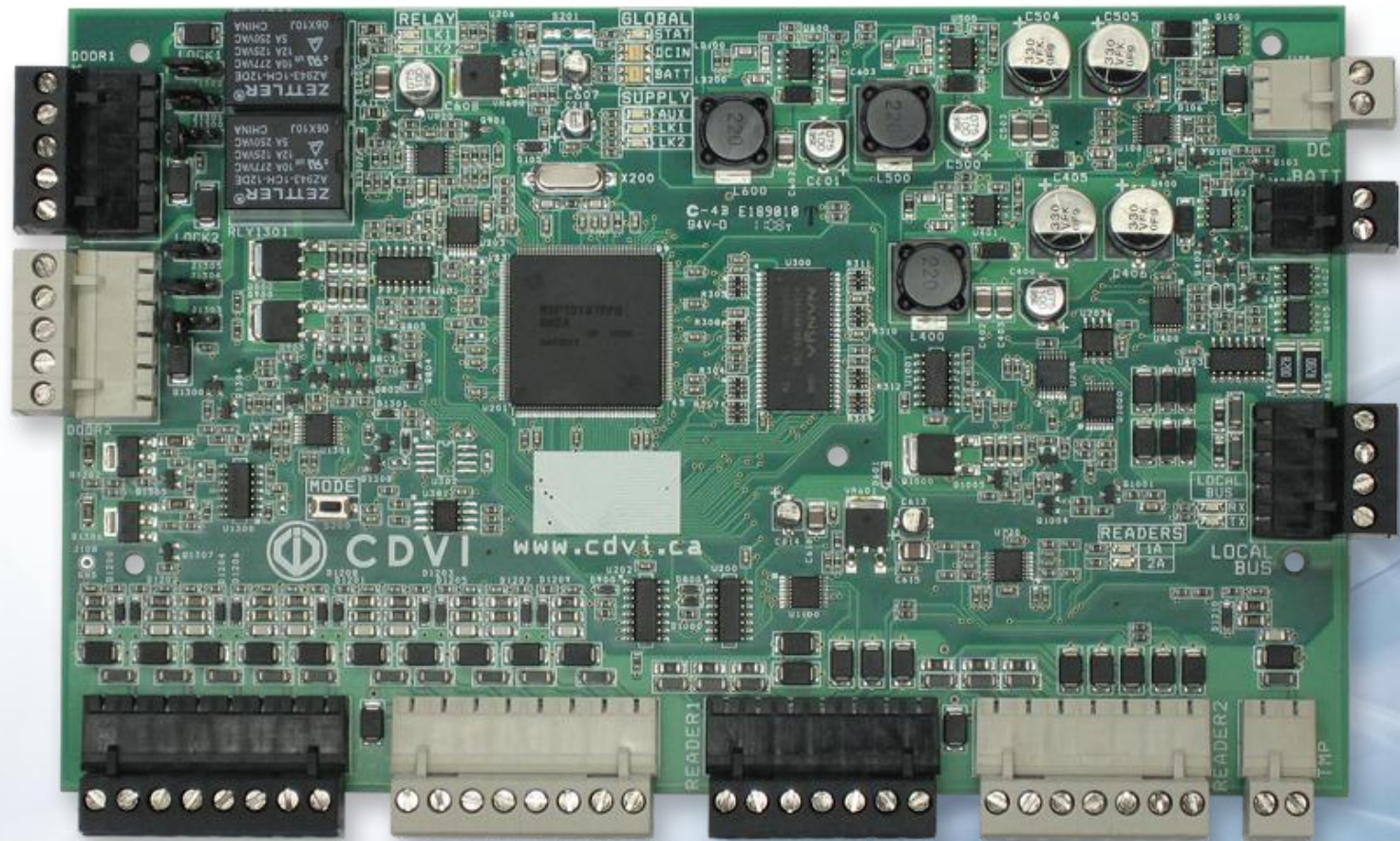


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# AX22 Door Expander



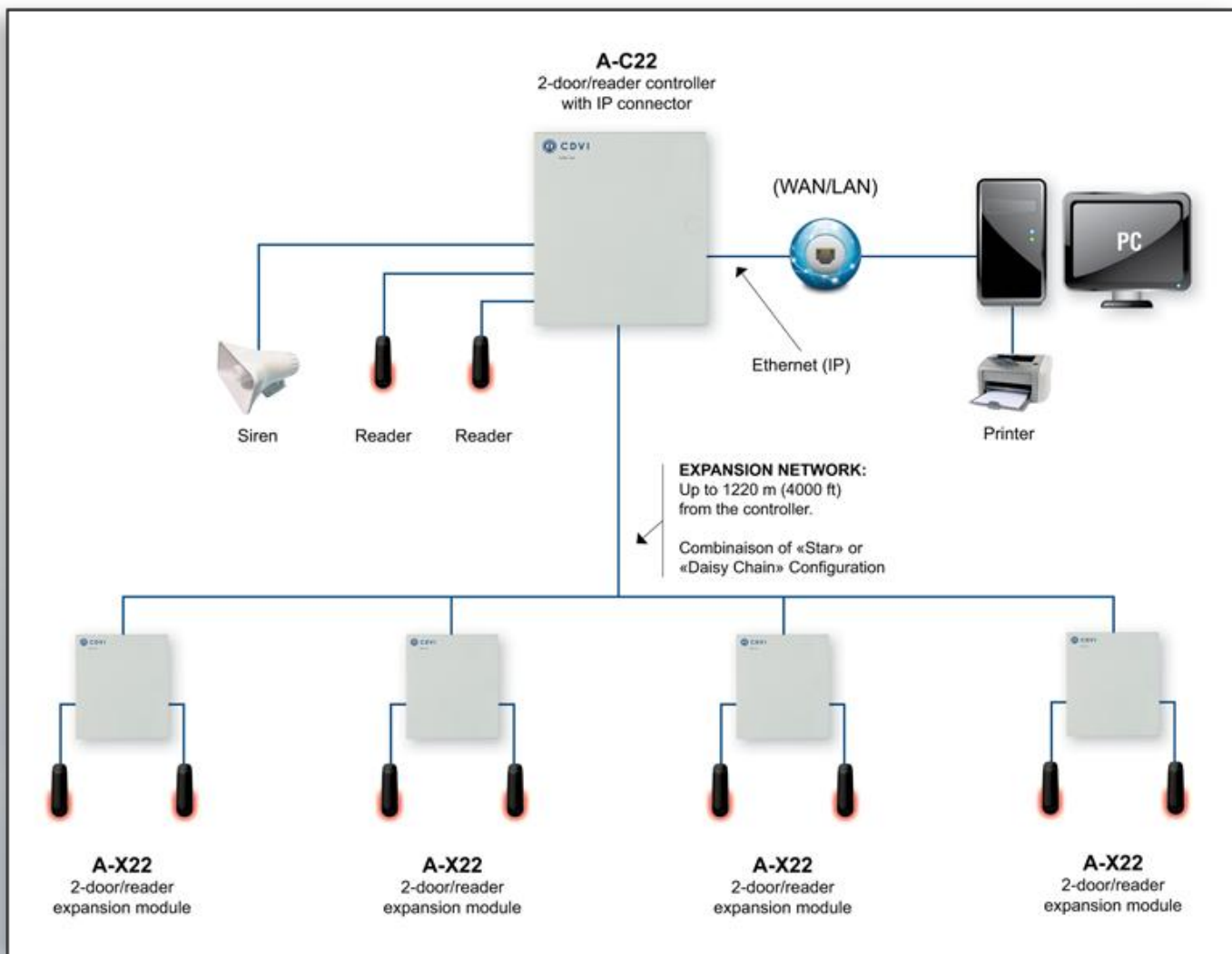
Performance merging with Simplicity





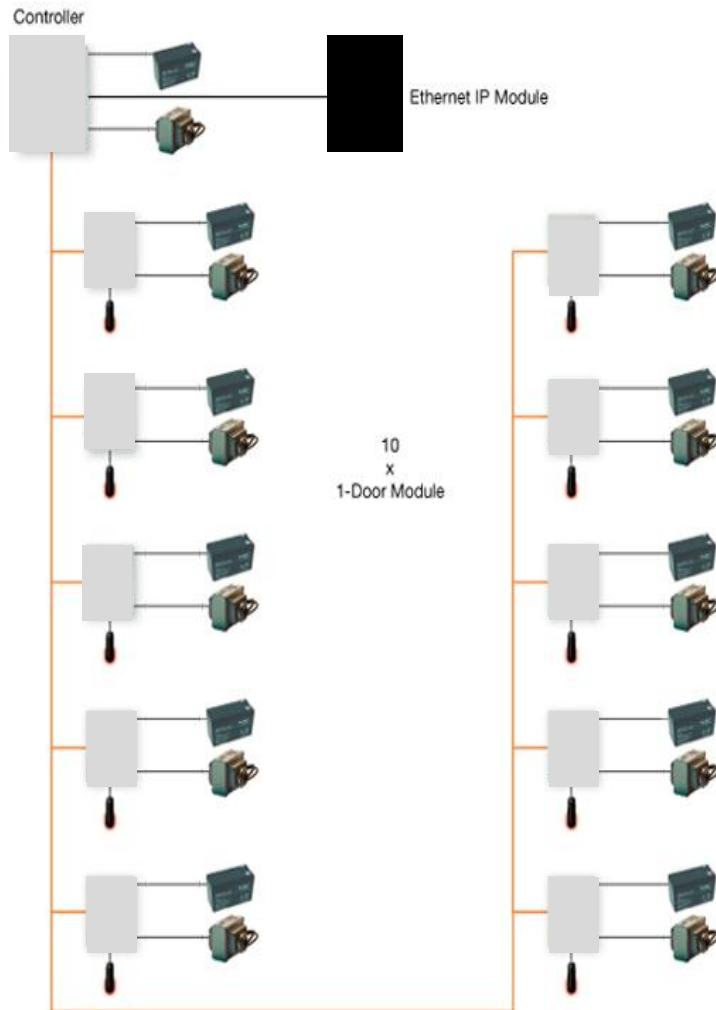
# ATRIUM

## ACCESS CONTROL

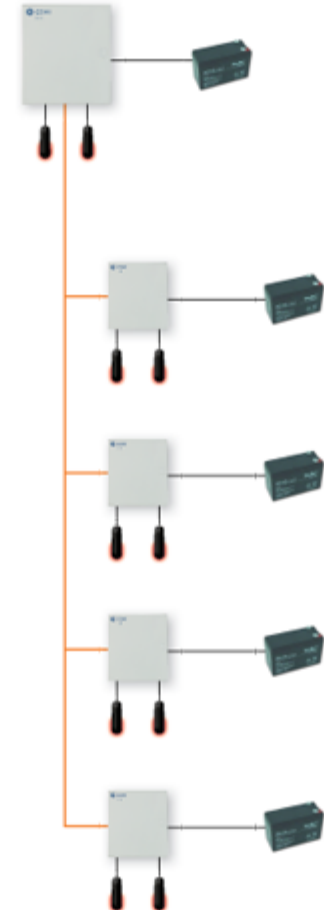


CDVI

# The Competition



2-Door / 2-Reader controller  
with built-in Ethernet port (IP)  
and AC to DC Power Supply  
Input: 85VAC to 264VAC  
Output: 24VDC @ 3.3A



Each expansion module have a  
built-in AC to DC Power Supply  
Input: 85VAC to 264VAC  
Output: 24VDC @ 3.3A



# AC22 Controller Kit

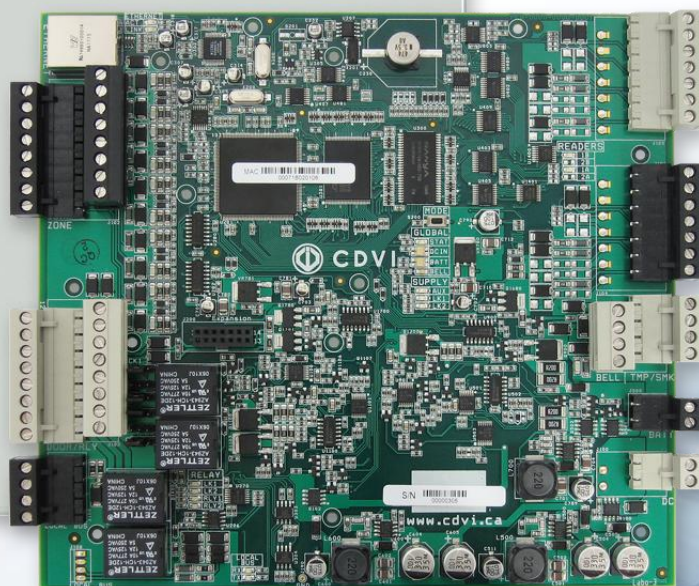
- Advantageous price & value
- AC22 controller & metal box
- Universal power supply
- Free system software
- 2 Nano proximity readers
- Master & Programming cards

Performance merging with Simplicity





Pre-assembled  
universal power supply  
included



Performance merging with Simplicity





# AX22 Expansion Kit

- Advantageous price & value
- AX22 expander & metal box
- Universal power supply
- 2 Nano proximity readers

Performance merging with Simplicity







Pre-assembled  
universal power supply  
included



Performance merging with Simplicity







## Key Benefits

- Embedded web server
- On-board Ethernet
- Free system software
- Intuitive and user-friendly
- Data protection (AES 256-bit encryption)

Performance merging with Simplicity





## Key Benefits

- Brief learning curve for field technicians
- Quick system start up
- Speedy installation (power supply included)
- Low-cost 4 conductor field wiring
- Star or daisy chain expansion bus

Performance merging with Simplicity





## Key Benefits

- Powerful schedules
- Area-based access rights
- Eliminate lengthy access level modifications when adding doors
- Fast and simple card enrolment

Performance merging with Simplicity



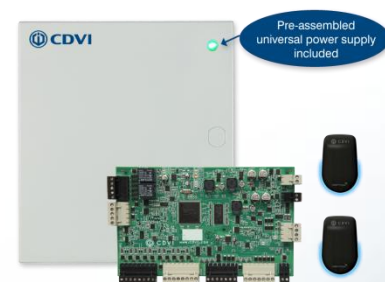
# New Software Version 2.0

- Anti-passback (soft or hard)
- Interlock (Mantrap)
- User location
- 7 new languages
- Support 5000 events
- Upgrade AC22 controller firmware to version 2.0.3 to be able to add these new features





**ATRIUM**  
ACCESS CONTROL



**Available at these fine distributors**

**ADI**

**APA**

**ANIXTER**

**Nedco**  
1911 - 2011

**Performance merging with Simplicity**





# **TRIUM**

A C C E S S   C O N T R O L

**Performance  
Merging with Simplicity**

