CEM SYSTEMS
From Tyco Security Products

AC2000 LITE Bundles
Off the shelf access control system with 4 or 8 readers

Features that make a difference:

- Low cost, off the shelf, complete access control system with options for 4 or 8 readers

- Virtualised AC2000 Lite bundle including both hardware and software

- 16 Door license pre-installed – scale your system without any additional cost

- Ease of ordering – one product code per bundle

- AC2000 virtual server and client can reside on the same PC hardware providing cost savings

- No additional license fees – software and integration licenses inclusive

- Utilising highly secure iCLASS SE® technology

- Fully IP based system

- Flexible backup functionality, keep copies of the AC2000 virtual image file for disaster recovery

AC2000 Lite bundles are an off the shelf solution, ideal for installers of small to medium sized projects, who are looking for an easy to order entry level access control system that can be expanded when required.

AC2000 Lite bundles include all the access control hardware and software you need for your complete access control system on a budget while still providing a sophisticated level of security.

Complete Hardware & Software Package

The AC2000 Lite Software Only Virtual Kit allows users to run the complete AC2000 Lite access control system within a virtual environment, running on a Windows® 7 PC.

Each bundle includes AC2000 Lite server and client software, eDCM300 intelligent door controllers, HID R10SE smart card readers and 26bit iClass Cards.

Each eDCM300 intelligent door controller comes pre-fitted in a robust steel enclose with power supply included. A large on-board database can store up to 200,000 cardholder records and up to 50,000 transactions when offline to the host server, enabling zero downtime at the point of entry. Lock control can be achieved via two dedicated 12v outputs (Rated to 1.5A each) or alternatively two on-board relays rated 30V@5A provide an option to use a larger 24v lock with external power supply. Door Position, Lock Status, Request to Exit, Interlock inputs are provided for each door. The eDCM300 supports two door configurations. It can either be configured for two read heads on two separate

doors, with optional Exit push buttons, or can be configured to support two reader heads (an Entry/Exit configuration) for Bi-directional control on a single door.

The HID iCLASS SE® R10 readers and iClass cards offer a highly secure and flexible platform. The readers utilize authentication through the platform's Secure Identity Object (SIO).
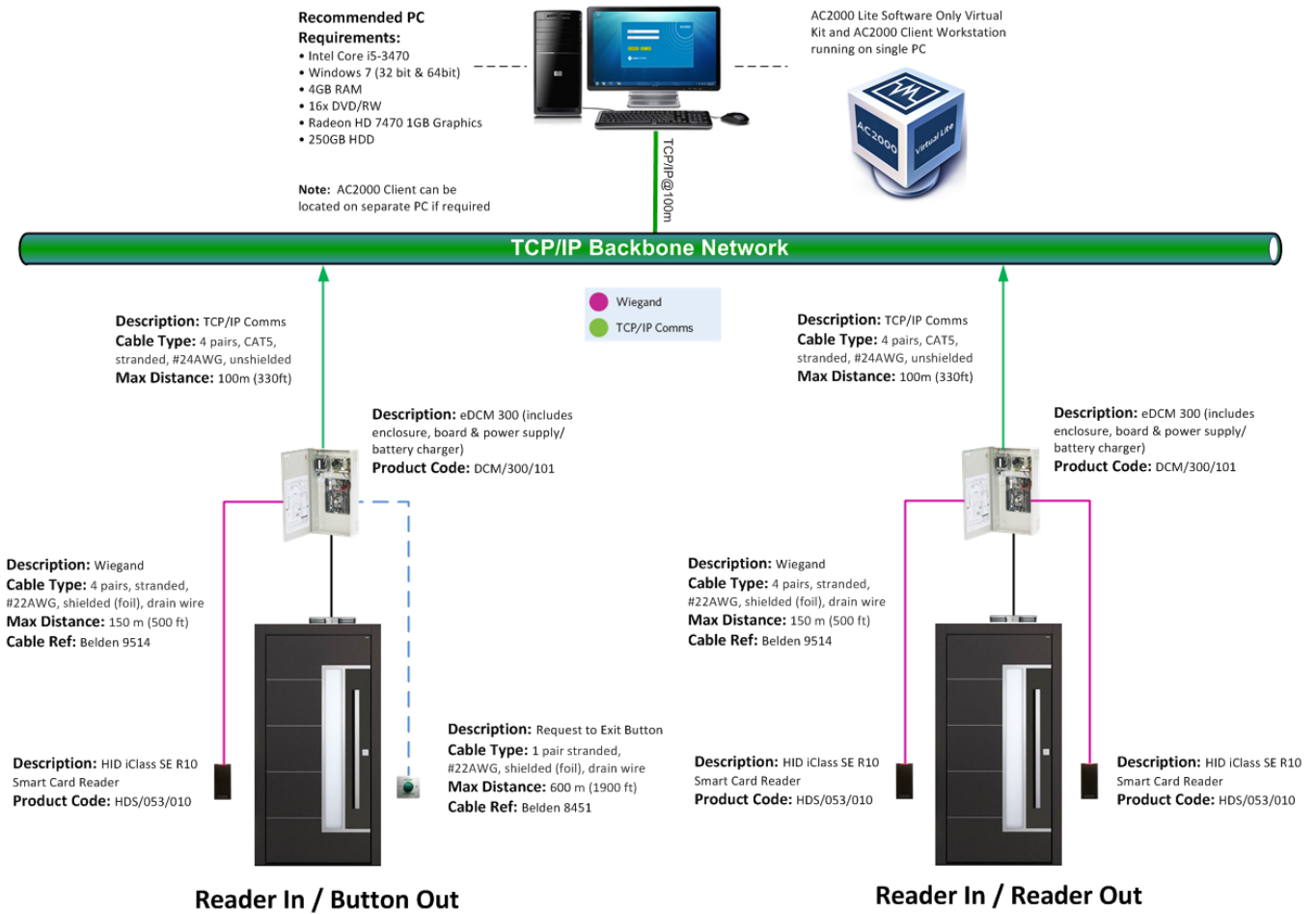
Ease of Installation

The AC2000 Lite Software Only Virtual Kit is supplied as two CDs; one for the AC2000 Lite Workstation and one for the virtual AC2000 Lite System Server, which is a preinstalled and preconfigured VirtualBox® virtual image. Installation procedure automatically configures and installs the VirtualBox environment along with the AC2000 Lite software.

The eDCM 300 is designed to be extremely easy to install. The installer simply enters the units preconfigured IP address on the AC2000 workstation, provides it with power, connects to an Ethernet network and the reader self-configures and receives up to 50,000 cardholder database in under 2 minutes.

Online Card Enrolment

As an additional cost saving there is no requirement to have a fixed validation reader adjacent to the AC2000 client workstation for enrolling cards. Cards can be enrolled using the "Online Validation" feature. This enables cards to be added to the system by any connecting reader that is online to the system.

4 – 8 Reader Bundle Door Configurations

Recommended PC Requirements:
- Intel Core i5-3470
- Windows 7 (32 bit & 64bit)
- 4GB RAM
- 16x DVD/RW
- Radeon HD 7470 1GB Graphics
- 250GB HDD

Note: AC2000 Client can be located on separate PC if required

AC2000 Lite Software Only Virtual Kit and AC2000 Client Workstation running on single PC

TCP/IP@100m

TCP/IP Backbone Network

- Wiegand
- TCP/IP Comms

Description: TCP/IP Comms
Cable Type: 4 pairs, CAT5, stranded, #24AWG, unshielded
Max Distance: 100m (330ft)

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Cable Type: 4 pairs, CAT5, stranded, #24AWG, unshielded
Max Distance: 100m (330ft)

Description: eDCM 300 (includes enclosure, board & power supply/battery charger)
Product Code: DCM/300/101

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Product Code: DCM/300/101

Description: Wiegand
Cable Type: 4 pairs, stranded, #22AWG, shielded (foil), drain wire
Max Distance: 150 m (500 ft)
Cable Ref: Belden 9514

Description: Wiegand
Cable Type: 4 pairs, stranded, #22AWG, shielded (foil), drain wire
Max Distance: 150 m (500 ft)
Cable Ref: Belden 9514

Description: Request to Exit Button
Cable Type: 1 pair stranded, #22AWG, shielded (foil), drain wire
Max Distance: 600 m (1900 ft)
Cable Ref: Belden 8451

Description: HID iClass SE R10 Smart Card Reader
Product Code: HDS/053/010

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Reader In / Button Out

Reader In / Reader Out

	Maximum Doors Reader In / Button Out	Maximum Doors Reader In / Reader Out
4 Reader Bundle	4	2
8 Reader Bundle	8	4

4 Reader Bundle
AC2000 Lite Software Only Virtual Kit / eDCM300's / HID R10SE's / iClass Cards
What is Included?
The 4 reader bundle includes AC2000 Lite Software Only Virtual Kit (16 Door License), 2 x eDCM300 (Mounted in Enclosure with 12V PSU), 4 x HID R10SE Smart Card Readers and 50 x 26 bit iClass cards.

8 Reader Bundle
AC2000 Lite Software Only Virtual Kit / eDCM300's / HID R10SE's / iClass Cards
What is Included?
The 8 reader bundle includes AC2000 Lite Software Only Virtual Kit (16 Door License), 4 x eDCM300 (Mounted in Enclosure with 12V PSU), 8 x HID R10SE Smart Card Readers and 50 x 26bit iClass cards

4 Reader Bundle	Quantity
AC2000 Lite Software Only Virtual Kit (16 Door License)	1
eDCM300 (Mounted in Enclosure with 12V PSU)	2
HID R10SE Smart Card Reader	4
26 bit iClass cards	50

8 Reader Bundle	Quantity
AC2000 Lite Software Only Virtual Kit (16 Door License)	1
eDCM300 (Mounted in Enclosure with 12V PSU)	4
HID R10SE Card Reader	8
26bit iClass cards	50

Bundled Software Licenses

Software
- AC2000 VIPPS Module
- AC2000 Alarm & Event Display Module
- AC2000 Time & Attendance Module
- AC2000 WEB Visitors Module
- AC2000 Web Personnel Clear Down
- AC2000 Web XML Export

Video Integrations
- American Dynamics - Intellex
- American Dynamics - HDVR
- American Dynamics TVR
- American Dynamics - VideoEdge
- American Dynamics - Victor
- Exacq

Intruder Integrations
- DSC Powerseries
- Honeywell Galaxy panel
- Honeywell Galaxy panel (Bi-directional capability)

Recommended PC Requirements
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- 16x DVD/RW
- Radeon HD 7470 1GB Graphics
- 250GB HDD

Ordering Information

Product Code	Description
KIT/616/004	AC2000 Lite 4 Reader Bundle
KIT/616/008	AC2000 Lite 8 Reader Bundle
SYS/601/003	AC2000 Lite Software Only Virtual Kit Upgrade (16 to 32 Door)

Grow Your System

The AC2000 Lite Software Only Virtual Kit door capability can be expanded from 16 doors up to 32 doors by simply adding an additional license code to grow the system as your business and security requirements grow. Additional controllers and smart card readers can be purchased using the product codes listed in the 'Additional Hardware' table.

Additional Hardware

Product Code	Description
DCM/300/101	eDCM300 Intelligent 2-door IP Controller Mounted in Enclosure with 12V PSU
HDS/053/010	HID iClass SE R10 Smart Card Reader
CRD/235/090	26bit iClass cards 2k

Related Products

AC2000

emerald Intelligent Access Terminal

S610 Intelligent Card Reader/Controller

www.cemsys.com