Advantages of Upgrading

From System VII to Aurora

A Member of the Kaba Group

THE ADVANTAGES OF AURORA

Aurora is Keyscan's latest access control management software application. Completely re-engineered and re-designed, Aurora is an evolutionary leap forward in access control management software with superior communication technologies, more standard features and the introduction of a 'people-centric' architecture for managing people and credentials.

The following table provides a comparison between just some of the advantages Aurora offers over System VII.

OS Compatibility

Aurora	System VII
Windows 10 Professional	Windows 8 – Professional & Enterprise – 32-bit or 64-bit
Windows 8 Professional 64-bit	
Windows 7 SP1 Ultimate, Enterprise & Professional 64-bit	Windows Server 2012 – Standard version – 64 bit / graphical user interface enabled
Windows Server 2012 Datacenter, Standard, Essentials & Foundation 64-bit	Windows Server 2008 – Standard & Enterprise
Windows Server 2008 R2 Datacenter, Enterprise, Standard & Foundation 64-bit	Windows 7 SP3 or later – Professional, Enterprise & Ultimate
Windows Server 2016 Standard	Vista Business
	Windows XP Professional – see note
Windows Server 2019 Standard 64-bit	Windows Server 2003
For more information about Aurora Specifications, visit www.dormakaba.us	Note - Windows XP is no longer supported by Microsoft. Keyscan does not recommend installing or re-installing either new or existing System VII software on computers with MS Windows XP.

Server/Computer Requirements

Aurora	System VII
Intel Core i7 – 4770 3.40 GHz or faster	Intel Pentium Dual Core 2.2 GHz or higher; Intel Core Duo 2.6 GHz or higher (Celeron and AMD are not recommended)
16 GB RAM 1600 MHz DDR3 NON-ECC or greater	
Recommended 500 gigabytes of available hard disk space, 7.2K RPM SATA	2 GB RAM or greater (Preferred 4-8 GB RAM)
For larger access control systems, see the Aurora System Architecture paper at www.keyscan.ca	Recommended 100 gigabytes of available hard disk space

Software Platform Features

Aurora	System VII
Support for up to 45,000 credentials	Support for up to 32,000 credentials
Screen dimensions improved - no size limit	Screen dimensions 1024 x 768 maximum size
Ten assigned groups per credential holder	Two assigned groups per credential holder
Enhanced multi-site management features	
Multiple credentials assignable to a single user	
New Template Editor for cards and maps	
New Active Directory Integration	
New multi-threaded communication structure	
New application design, example: Status Widgets	
Centralized and improved people, schedule and hardware management	
Mapping enhancements	
Supports CA8WL series wireless lock controllers	
For more information refer to Keyscan's Aurora Software Guide	

Database

Aurora	System VII
Includes Microsoft SQL Server 2017 – 10 gig limit*	Includes SQL Express 2005 – 4 gig limit
Optional - Full SQL Server 2017	Optional Upgrade - Full SQL – Server 2005 Edition 32-bit, Workgroup, Standard or Enterprise versions
*Aurora issues warning when database reaches 8.0 GB / stops control unit data collection at 9.5 GB	

Video Management System Support

Aurora	System VII
Exacq Client – 2014	Keyscan – DVR3
Milestone – 2014	Exacq – 2009
Avigilon – 2014	Avigilon – 2013*
i3 International - 2015	Year indicates date of engineering
Year indicates date of engineering	**System VII Legacy DVRs**
	Keyscan** – K-DVR, DVR2
	Bosch** 2010
	Dedicated Micros **(Net Vu) –2009
	Integral** – 2010
	Milestone**
	Open Eye**

Pelco**(DX8000, DX8100 & Endura) – 2009

Toshiba (Surveillix) – 2008

* May or may not be tested by third party manufacturers

** Maintenance of this CCTV driver has been discontinued.

Please be advised that supported models as well as version limitations may apply.

Note

Aurora does not have a complete database conversion utility if changing from System VII. Aurora does have an Import function for people/credential data which can be used to transfer cardholder data from System VII. However, other information requires manual data input.

CONTROL BOARD FIRMWARE

The following table reviews control board firmware features. Aurora requires PC109x blue control boards with firmware 9.21 or higher.

PC109x			
Firmware	**Firmware Features**	**Aurora**	**System VII**
Serial# letters – C, D, E, F or higher Firmware range: 7.98/8.77 or higher Reader PROM 4.02 or higher Supports blue OCB-8 version PC1101 or higher Year 2011 to present	Includes 9.x, 10, 11, & PC101 features Card read – all cards – or RTE activates Door Output and Accessibility HC Output (revised jumper J16-D) Discontinued support for Smart-Gate & Search Gate biometric readers	Hardware supported if manufactured and shipped with firmware 9.21 or higher. Has revised serial # format – example AAC1234 Firmware can be ordered for PC1095 control boards with previous firmware versions. Has serial # format – example C1235	System VII – version 7.0.19 or higher

Aurora is not compatible (n/c) with any of the following control boards/ firmware

PC101x

Firmware	Firmware Features	Aurora	System VII
Serial # letters – Z, A Highest firmware version 7.95/8.75 Year 2009 – 2011	Includes 9.x, 10 & 11 features Supports Smart-Gate & Search Gate biometric readers Supports reverse network IP communication – firmware 7.95/8.75 and higher Elevator floor countdown OPT code (requires CPB-10-2 on CPB-10 communication loop)	n/c	Features and hardware supported

Rev. 11

Firmware	Firmware Features	Aurora	System VII
Serial # letters Y, Z Highest firmware version 7.80/8.60 Year 2007 – 2009 Rev. 11 control board can be upgraded with a PC101x EPROM – requires EPROM purchase	Includes 9.x & 10 features Reads extended & standard card formats with PROM3.05 or higher KKI keypad interface not required DSC integration Optional outputs	n/c	Features and hardware supported

Rev. 10

Firmware	Firmware Features	Aurora	System VII
Serial # letters V, W & X Highest firmware version 7.31/8.11 Year 2004 – 2007	Includes 9.x features Soft and timed anti-pass back Advanced report transactions Present3 IOCB support Alternate communication	n/c	Features and hardware supported

Rev. 9.8 Q6500 – Q9999

Firmware	Firmware Features	Aurora	System VII
Serial # letters R, S, T & U Highest firmware version 6.22 Year 2000 – 2004	Includes standard access control features Time Zone FPI Hard anti-pass back by all ACU reader tracking Standard reader PROMs 2.23 (highest)	n/c	Features and hardware supported