

Quick Selection Guide

Access Control Software



The Bosch Access Easy Controller (AEC) is your choice for web-based entry level out of the box access control. The web interface is hosted from the Access Easy Controller hardware. Easy to install, easy to deploy, easy to operate.

The Bosch Access Professional Edition (APE) is your choice for small and medium sized access control solutions such as offices or hospitals. The flexible APE client-server architecture grows with your needs and can even be upscaled to the Bosch Access Engine without replacement of access control hardware components, protecting your investment.

The Bosch Access Engine (ACE) is your choice for enterprise access control solutions such as airports or metro stations. The Bosch Access Engine is part of the Building Integration System (BIS) from Bosch which allows you to fully integrate access control with your other security, safety and building management systems.

General Features	AEC	APE	BIS / ACE
Hardware Compatibility	AEC	AMC (Wiegand or RS485)	AMC Wiegand, AMC RS485
Software Compatibility	Microsoft Windows XP SP3 Microsoft Windows Vista Microsoft Windows 7 (32 and 64 bit) Linux OS *	Microsoft Windows 7 (32 and 64 bit) Windows 10 Professional or Enterprise (32 or 64 bit) Microsoft Windows Server 2012 R2 SP1 (64 bit, Standard, Datacenter) Windows Server 2016 Standard (64 bit)	Microsoft Windows Server 2012 R2 (64 bit, Standard, Datacenter) Microsoft Windows Server 2016 (64 bit, Standard, Datacenter) Microsoft Windows 7 (32 and 64 bit, Pro, Enterprise) Microsoft Windows 8.1 (64 bit, Pro, Enterprise) Microsoft Windows 10 (from version 4.3 on)
Webserver Connectivity	Yes	No	Yes
Browser Compatibility	Internet Explorer 7/8/9/10/11, Mozilla Firefox 5.0*, Google Chrome*	N.A.	Internet Explorer 11
Guard Tour Management	Yes	No	Yes
Visitor Management	No	Yes (basic functionalities)	Yes (enhanced functionalities)
Intrusion Integration	Arm/disarm over reader (contact interface)	Arm/disarm over reader	Arm/disarm over reader or full integration via OPC
Video Integration	Yes	Yes	Yes
Third party locking systems	No	No (selected markets only)	SimonsVoss SmartIntego, Allegion PegaSys (selected markets only)
Third party interfaces	AEC SDK	API, Importer/Exporter, Milestone XProtect Plugin	API, Importer/Exporter
Supported Languages	Chinese (Simplified), Chinese (Traditional), Dutch, English, French, German, Japanese, Portuguese, Spanish, Thai	Chinese (Simplified), Dutch, English, French, German, Japanese, Polish, Portuguese (Brazil), Russian, Spanish	Arabic, Chinese (Simplified), Chinese (Traditional), Dutch, English, French, German, Hungarian, Polish, Portuguese, Russian, Spanish, Turkish

* Only access function no video support

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Access Features	AEC	APE	BIS / ACE
Max. Number of Remote Workstation	Unlimited *	16	Unlimited (in multi-server configuration)
Max. Number of Readers	128	512	10,000 per server
Supported Reader Interfaces	Wiegand	Wiegand, RS485	Wiegand, RS485
Biometric Support	Fingerprint	Fingerprint with second source software	Fingerprint, palm vein
Max. Number of Relay Outputs Points	64	Approx 5,000	Approx 80,000 outputs per server
Max. Number of Entrance	32	512 (Entrance with 1 reader)	Approx 10,000 entrances per server
Remote Door Control	Yes	Yes	Yes
Max. Number of Active Cardholders	20.480	10.000	200.000
Cards per Person	1	Up to 3	Up to 5
Access Modes	Card only, PIN only, PIN or Card	Card only, PIN only, PIN and / or card, fingerprint and card	Card only, PIN only, PIN and / or card, fingerprint and / or card, fingerprint only
PIN Codes Types	Verification PIN, Door PIN, Arming PIN	Verification PIN, Door PIN, Identification PIN, IDS Arming PIN, (IDS= Intrusion Detection System)	Verification PIN, Door PIN, Identification PIN, IDS Arming PIN, (IDS= Intrusion Detection System)
PIN Codes	4 to 7 digit	4 to 8 digit	4 to 10 digit
Online Swipe	Yes	Yes	No
Mapviewer	No	Yes (graphic)	Yes (multi-layered AutoCAD drawings)
Log Viewer	Yes	Yes	Yes
Badge Design	No	Yes	Yes
Alarm List	Yes	Yes	Yes
Time Models	254	255	1024 per MAC
Periods / Time Models	4	3	4
Max. Number of Time Profiles	254	255	255 per MAC
Max. Number of Access Authorization Groups	254	1024	1024 per MAC
Max. Number of Area / Time Authorizations	254	Included above	Included above
Special Days	32	255	365 per year
SMS / Email Notification	Yes	No	Yes (with separate OPC server)
Elevator	Yes, up to 64 floors	Yes, up to 64 floors	Yes, up to 64 floors
Parking Lot	Yes	No	Yes

* Concurrent 8

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Video Features	AEC		APE		BIS / ACE	
Live View and Playback	Yes		Yes		Yes	
Video Alarm Verification	Yes		Yes		Yes	
Video Alarm Notification	Up to 3 / Entrance		Up to 5 / Entrance		Yes, configurable for Action Plans or Video Engine / BVMS	
Camera Groups	No		No		Yes	
Alarm and Logbook Camera	3		1 / Entrance		Yes, configurable for Action Plans or Video Engine / BVMS	
Max. Number of Cameras	3		5/Entrance		3000 via Video Engine	