



BIS -Security Engine



- ▶ Provides command and control of devices from clients and servers
- ▶ Supports the administration of intrusion and entry systems in G-Series Control Panels
- ▶ Supports the Conettix D6100/D6600 Communications Receiver/Gateway
- ▶ Uses serial or Ethernet communication
- ▶ Provides time schedule control
- ▶ Supports personnel management
- ▶ Integrates with all BIS Engines and features
- ▶ Supports AES 128 bit encryption for G-Series Control Panel and Conettix connections

The Security Engine (SEE), as one of the main functional modules within the Building Integration System (BIS), is designed to control multiple G-Series Control Panels and to monitor alarms and events from these devices, as well as from security systems connected to the Bosch Conettix D6100/D6600 Communications Receiver/Gateway.

By combining all the common BIS features with its own specific options SEE lets you tailor an alarm and security management system to your own individual requirements. An unlimited number of control panel connections can be added in groups of two, eight or thirty-two. Each BIS connection server supports a maximum of 32 control panel connections.

System Overview

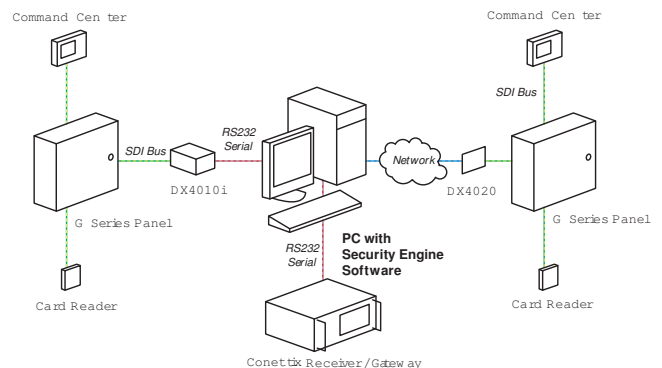
The Security Engine Module connects to G-Series Control Panels and updates and downloads personnel database information such as user data and skeds (time schedules) to control panels through channels.

Installers can use the DX4010i Serial Interface Module to connect each control panel with a RS-232 serial cable to an open COM port on the PC. Installers can use the DX4020 Network Interface Module to connect each control panel through an Ethernet network.

Each control panel stores relevant data and uses field events to make intelligent decisions. The Security Engine supports Remote Programming Software (RPS) configuration for G-Series Control Panels.

The Security Engine connects to a Conettix D6100 or D6600 Communications Receiver/Gateway through a serial or Ethernet connection.

Users can configure and monitor up to 500 accounts. The system is expandable up to 3,200 accounts for each Conettix Communications Receiver/Gateway.



Functions

G Series Control Panels

The Security Engine supports the following control panels:

- D9412GV2
- D7412GV2
- D7212GV2
- D9112¹
- D9412G
- D7412G
- D7212G
- D7212¹

¹ The D9112 and D7212 do not support access control readers.

Note Version 6.60 or higher

The G-Series Control Panels offer the following features and functions:

- Built-in digital communicator with phone line.
- Multiple telephone numbers, primary and duplicate paths with main and alternate destinations.
- Programmable reports within each of four route groups.
- Optional DX4020 network interface module for two-way communication over Ethernet networks.
- Automatic test and status reports.

Number of...	D9412G and D9412GV2	D7412G and D7412GV2	D7212G and D7212GV2
Points:	246	75	40
Areas:	8	8	4
Users:	249	99	99
Custom Functions:	16	4	4
Printers:	3	1	1
SKEDS:	40	40	40
Relays:	131	67	27
Readers and Doors:	8	2	N/A
Tokens:	996	396	N/A

Admin9000

With Admin9000 the SEE offers additional administrative tools integrated into the BIS user interface. This central part of the Security Engine allows administrators to:

- Manage a database of human resource information for up to 996 authorized users for each control panel
- Change user authorization
- Add or delete users
- Manage skeds and define scheduled events
- Design and print Photo ID badges
- Print database reports

Alarm and Event Management

Supported by the BIS user interface and the common BIS features you have a sophisticated alarm and event management showing the following information during an alarm:

- Alarm description (event state)
- Alarm date
- Alarm time

- Alarm location
- Panel/detector address (if supported by device)
- Operator working on alarm event
- Other configurable items

Alarm information from devices experiencing real-time events (such as door access) and alarm information from internal system events are logged in an integrated MSDE database that supports Microsoft® SQL Server™ software.

Reports

Security reports from the event log are stored in an HTML table that users can view using Internet Explorer. Other reports are in Crystal Reports® format that users can view using the Crystal Reports Viewer included in Admin 9000.

SEE optional accessories

The features listed below can be added optionally to the Security Engine installation.

OPC9000 2 panel upgrade

Extends the number of controllable G-series panels connected to a BIS Security Engine in steps of two.

OPC9000 8 panel upgrade

Extends the number of controllable G-series panels connected to a BIS Security Engine in steps of eight.

OPC9000 32 panel upgrade

Extends the number of controllable G-series panels connected to a BIS Security Engine in steps of 32. Please note that additional connection server hardware will be required when exceeding the maximum number of 32 panels on a BIS/SEE server.

OPC6600 500 panel upgrade

Extends the number of controllable accounts at a Conettix D6100/6600 in steps of 500. The maximum is 3,200 accounts.

Video-Badging for SEE/ Photo ID badge printing option

Activates a component for designing and printing badges and the assignment to cardholders within the Security Engine.

Video Verification option for SEE

Video verification extends the security level of your G-series access control system by using additional video equipment. When a reader is in video verification mode the cardholder is not admitted directly. Instead the reader performs a request for entrance which appears as a message on the operator's screen.

An action plan shows the operator the cardholder's image as stored in the SEE user database in conjunction with a live image from a camera near the entrance/reader that sent the request. The operator compares both images and decides whether or not to open the door manually.

Installation/Configuration Notes

The Security Engine basic package provides the functionality as described under the sections System overview, Functions and Features.

Available in the Americas only is a bundled Security Engine kit (BIS-SEE-2PNLKT) which supports two G-series control panel connections and one Conettix connection including the following items:

- BIS basic package EN (old basic package standard)
- SEE basic package EN (supp. 2 panels and 1 D6100/D6600)
- Device overview
- Action management
- Display action plans
- Display location maps

Technical Specifications

Minimum technical requirements to be met by the BIS/SEE login or connection server

No. components

1 BIS/SEE login or connection server

- Processor 2GHz or faster

- 1 GB RAM

- 40 GB hard disk

- 10/100 MBit network card

- 2 serial, 1 parallel port

- USB port

- AGP graphic adapter with 1024x768

- Windows 2000, 2003 Server or XP professional, incl. IIS

- Microsoft Internet Explorer 5.5 or higher

- Keyboard, mouse

Subject to technical changes.

Security Engine

Note For systems that require more than 32 control panel connections or advanced integration with other Bosch engines or components, please contact the Application Support group at Bosch directly.

Ordering Information

The Security Engine Basic package and the belonging software options listed below can be ordered with one of the BIS Basic packages when starting with a new system or together with one of the re-fitting items when extending an existing system. The software options can be used for re-fitting an older BIS 2.1.x or 2.0.x as well.

Ordering Information

SEE 2.2 basic package EN	BIS-SEE-BP22
SEE (V2) 2 panel kit (AMEC only)	BIS-SEE-2PNLKT
Software Options	
OPC9000 2 panel upgrade	BIS-SEE-UPPNL2
OPC9000 8 panel upgrade	BIS-SEE-UPPNL8
OPC9000 32 panel upgrade	BIS-SEE-UPPNL32
OPC6600 500 panel upgrade	BIS-SEE-AC500
Photo ID Badge Printing Option	BIS-SEE-PID
Video Verification Option	BIS-SEE-VIDVERI

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