BOSCH Intrusion Products Quik Guide – **Control Communicators**

	System Features	Bosch D2212BE	Bosch D2412UE	Detection Systems DS7060	Bosch D2212B	Bosch D2412U	Detection Systems DS7220	Bosch D4412	Detection Systems DS7080iP32	Detection Systems DS7240	Bosch D6412	Bosch D7412G	Detection Systems DS7400Xi V4	Bosch D9412G
Inputs	Zone/Point Capacity	8	6	6	8 - 24	6 - 24	24	24	32	40	40	75	248	246
	Wireless Points	–	–	–	24	24	24	24	–	40	40	67	112	238
	Wireless Equipment	–	–	–	ITI	ITI	DS‡	DS‡	–	DS‡	DS‡	Inovonics	DS	Inovonics
	On-Board 2-wire Smoke Points	1	1	–	1	1	1	1	1	1	1	None	8	None
Programmable Outputs	Number of Aux. Outputs	2	2	2	2	2	4	4	2	4	4	1	2	1
	Number of Alarm Outputs	1	1	1	1	1	Up to 12	Up to 12	1	Up to 20	Up to 20	Up to 66*	1	Up to 130*
	Relay Dry Contacts	2*	2*	None	2*	2*	Up to 12*	Up to 12*	8	Up to 20*	Up to 20*	64*	76*	128*
	X-10 Compatible	No	No	No	No	No	DX3020	DX3020	No	DX3020	DX3020	DX3020	DX3020	DX3020
Access Control	Access Control Doors	None	None	None	None	None	None	None	None	None	None	2	No	8
	Access Control Credentials	None	None	None	None	None	None	None	None	None	None	396	No	996
Command and Control	Areas/Partitions	1	1	1	1	1	2	2	2	4	4	8	8	8
	Shared Area (Common Lobby)	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	User Passcodes	8	8	15	8	8	32	32	15	32	32	99	200	249
	Passcode User Windows	None	None	None	None	None	None	None	None	None	None	8	No	8
	Authority Levels	3	3	3	3	3	4	4	7	4	4	14	7	14
	Command Centers/Keypads	8	8	4	8	8	8	8	4	8	8	8/32**	15	8/32**
	LED	D202A, D220A	D202A, D220A	DS7443, DS7445	D202A, D220A	D202A, D220A	DS7445i	D621	DS7445	DS7445i	D621	D720	DS7445	D720
	1x16 VF	–	–	–	–	–	–	–	–	–	–	D1255	–	D1255
	2x16 LCD	D222A, D223A	D222A, D223A	DS7447	D222A, D223A	D222A, D223A	DS7447i	D623	DS7447	DS7447i	D623	–	DS7447	–
	2x16 VF	–	–	–	–	–	–	D625	–	–	D625	–	–	–
	4x20 LCD	–	–	–	–	–	–	–	–	–	–	D1260	–	D1260
	Function Keys	3	3	9	3	3	9	3	9	9	3	3 (D720)	9	3 (D720)
	Custom Functions	None	None	None	None	None	None	None	None	None	None	4	None	16
	Local Printers	None	None	None	None	None	1 (Serial)	1 (Serial)	1 (Serial)	1 (Serial)	1 (Serial)	1 (Parallel)	1 (Serial)	3 (Parallel)
	History Events	None	None	None	None	None	254	254	100	254	254	Up to 1000	400	Up to 1000
	Fully Keypad Programmable	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No
	Remote Programmable	RAM IV	RAM IV	WDSRP	RAM IV	RAM IV	DSRPS	RAM IV	WDSRPII	DSRPS	RAM IV	RAM IV	WDSRPII	RAM IV
Scheduling	Skeds (Scheduled Events)	None	None	None	None	None	8	8	2	8	8	40	16	40
	Holiday Schedules	None	None	None	None	None	None	None	None	None	None	4 years	None	4 years
	Opening/Closing Windows	None	None	None	None	None	None	None	None	None	None	8	None	8
Communications	D6600 NetCom Compatible	C900TTL-E	C900TTL-E	C900TTL-E	C900TTL-E	C900TTL-E	DX4020±	DX4020±	C900TTL-E	DX4020±	DX4020±	D9133TTL-E	C900TTL-E	D9133TTL-E
	Communication Formats	*1*, *5*	*1*	*2*, *3*, *5*, *6*, *7*	*1*, *5*	*1*	*2*, *3*, *7*	*1*, *2*, *7*	*2*, *3*, *4*, *5*, *7*	*2*, *3*, *7*	*1*, *2*, *6*	*1*, *4*, *6*	*2*, *3*, *4*, *5*, *6*, *7*	*1*, *4*, *6*
	Uplink 1600 Compatible	No	Yes	No	No	Yes	No	No	No	No	No	No	No	No
	RS-232 Serial Interface	No	No	No	No	No	DX4010	DX4010	No	DX4010	DX4010	D9133	DS7412	D9133
Power	Aux Power Available	500mA	500mA	750mA***	1.0A	1.0A	600mA	600mA	1.0A	600mA	600mA	1.4A	1.0A	1.4A
	Alarm Power Available	1.35A	1.35A	750mA***	1.35A	1.35A	1.85A	1.85A	1.5A	1.85A	1.85A	2.0A	1.75A	2.0A
	UL Aux/Alarm Power Available	1.0A	1.0A	750mA***	1.0A	1.0A	400/120mA†	400/120mA†	1.0A	400/120mA†	400/120mA†	1.4A	1.75A	1.4A
Listings and Approvals	UL Burg	C & R	C & R	C & R	C & R	C & R	C & R	C & R	C & R	C & R	C & R	C & R	C & R	C & R
	UL Fire	R	R	R	R	R	R	R	R	R	R	C & R	C & R	C & R
	UL Access	No	No	No	No	No	No	No	No	No	No	C	No	C
	Fully SIA CP-01 Compliant	No	No	No	No	No	Yes	Yes	No	Yes	Yes	No	No	No
	CSFM	R	R	R	R	R	R	R	R	R	R	C & R	C & R	C & R
	Fire Alarm Verification	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

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Notes

Communication Formats

1 Modem IIIa²
2 Contact ID
3 SIA
4 BFSK
5 Pulsed Formats
6 Pager
7 Personal Dialing

* Available when using appropriate accessory module

** 8 Supervised or up to 32 Unsupervised Command Centers

*** 750mA combined Aux and Alarm power

† 400mA maximum for UL Burg applications, 120mA maximum for UL Fire (Household) applications

‡ Plans on adding ITI and Inovonics Wireless to this product line

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Glossary

Zone/Point Capacity — Indicates the total number of individually annunciated detection points that can be monitored by the control panel.

Wireless Points — Specifies the total number of wireless points that can be connected to the control panel. Wireless devices are used to reduce system installation costs and allow for the use of keyfobs thus providing more convenience to the user.

Wireless Equipment — Identifies the manufacturer of the wireless equipment that the control panel is compatible with.

On-Board 2-wire Smoke Zn/Pts — Indicates the number on points on the control panel that 2-wire smoke detectors can connect directly to without an interface card.

Areas/Partitions — Provides the ability to control separate areas independently from one another.

Shared Area (Common Lobby) — Indicates whether an area(s) can be designated as a shared or common area, which is linked to other independent areas.

User Passcodes — Indicates the number of uniquely identifiable passcode users the control panel supports.

Passcode User Windows — User windows can be programmed to restrict when passcodes are allowed to operate the system.

Access Control Doors — Identifies the number of access control doors that may be connected to the control panel.

Access Control Credentials — Indicates the number if individually identifiable access users that can be programmed into the control panel.

Authority Levels — Authority levels determine the level of access or authorization to system functions and commands. Each user can be programmed a single authority level panel wide or, depending on the control panel, may be assigned an individual authority in each area or partition.

Command Centers/Keypads — Identifies the maximum number of command centers or keypads that may be connected to the control panel and which keypad may be used.

Local Printers — Indicates the total number of printers (that are used to print system events) that may be connected to the control panel. Also indicated is whether the printer is serial or parallel.

Skeds (Scheduled Events) — Indicates the total number of schedules that can be programmed. Schedules are used to program specific functions to occur at predetermined times. Examples of this would include schedules such as Auto-arming, Test Reports, Relay activation, etc.

Holiday Schedules — Holiday schedules (used in conjunction with Skeds and Open/Close) can be programmed to instruct the control panel to not run the Schedule on the Holiday specified. This item determines how many Holiday Schedules are available.

Opening/Closing Windows — Opening and Closing Windows are used to inhibit opening and closing report activity during normal business hours. This item determines the number of Opening and Closing Windows that may be programmed into the control panel.

Number of Aux. Outputs — Identifies the number of PGM or other Auxiliary outputs available on the control panel.

Number of Alarm Outputs — This item determines the number of alarm outputs available on the control panel.

Relay Dry Contacts — Indicates the maximum number of relay dry contacts that can be programmed in the control panel. These relay outputs are available through the use of external modules.

History Events — Identifies the number of events the control panel holds in its history buffer.

Aux Power Available — Indicates, for non-UL applications, the maximum amount of aux power available.

Alarm Power Available — Indicates, for non-UL applications, the maximum amount of alarm power available.

UL Aux/Alarm Power Available — Indicates, for UL applications, the maximum amount of combined aux and alarm power that is available.

Regulatory Listings — Regulatory agencies such as, UL, SIA (Security Industry Association), California State Fire Marshal, National Fire Protection Association, Factory Mutual, etc., define requirements to ensure system operation and installation procedures are followed to help protect life and property. To determine which listing individual control panels have, consult the panel specific Specification Sheet.

D6600 Netcom Compatible — This item determines whether it the control panel can communicate to the D6600 Netcom system using the module indicated.

Communication Formats — Of the major communication formats, this item identifies which formats the control panel can communicate.

Fully Keypad Programmable — Indicates whether all parameters in the control panel are programmable via an on-site keypad.

Remote Programmable — Identifies which Remote Programming software package is used to program the control panel.

X-10 Compatible — Determines whether the control panel is X-10 compatible and, if so, which module is used. X-10 can be used to eliminate wiring by allowing the system to communicate with peripheral devices using the 110V electrical circuits in a building.

Uplink 1600 Compatible — Identifies whether the control panel is compatible with the Uplink 1600 system.

Fire Alarm Verification — Fire Alarm Verification is used to confirm the validity of a fire alarm by double-checking the alarm condition.

RS-232 Serial Interface — Indicates whether the control panel is compatible with an RS-232 interface thereby allowing a serial printer or communication to 3rd party application equipment.

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