

		SPC42	SPC52	SPC53	SPC63
Controller details	Type	Main product	License upgrade via SPC Connect	Main product	License upgrade via SPC Connect
	Areas	4	16	16	60
	Supported Zones max. (wired & wireless)	40	128	128	512
	Number of on-board zones	8	8	8	8
	EOL resistor	Dual 4k7 (default), other resistor combinations configurable	Dual 4k7 (default), other resistor combinations configurable	Dual 4k7 (default), other resistor combinations configurable	Dual 4k7 (default), other resistor combinations configurable
	Supported Outputs max.	30	128	128	512
	Outputs on PCB	6	6	6	6
	Number of on-board relays	2 x 30V/3A resistive switching current	2 x 30V/3A resistive switching current	2 x 30V/3A resistive switching current	2 x 30V/3A resistive switching current
	Number of on-board open coll.	2 internal/external bell, 2 freely programmable (each supplied via auxiliary output)	2 internal/external bell, 2 freely programmable (each supplied via auxiliary output)	2 internal/external bell, 2 freely programmable (each supplied via auxiliary output)	2 internal/external bell, 2 freely programmable (each supplied via auxiliary output)
	Log Intrusion	1000	10000	10000	10000
	Log Access	1000	10000	10000	10000
	Calendars	4	32	32	64
	Triggers	8	512	512	1024
	Mapping Gates	8	128	128	512
	Virtual Zones	4	20	20	100
	Supported Active languages / System	EN + 4	EN + 4	EN + 4	EN + 4
	Security Grade	Grade 2	Grade 2	Grade 3	Grade 3
	Power supply	Type A (per EN50133-1)	Type A (per EN50133-1)	Type A (per EN50133-1)	Type A (per EN50133-1)
	Mains voltage	230V AC, + 10%/-15%, 50Hz	230V AC, + 10%/-15%, 50Hz	230V AC, + 10%/-15%, 50Hz	230V AC, + 10%/-15%, 50Hz
	Mains fuse	500mA T (replaceable part on mains terminal block)	500mA T (replaceable part on mains terminal block)	500mA T (replaceable part on mains terminal block)	500mA T (replaceable part on mains terminal block)
	Quiescent current min	38mA at 230V AC	38mA at 230V AC	38mA at 230V AC	38mA at 230V AC
	Quiescent current max	135mA at 12V DC	135mA at 12V DC	135mA at 12V DC	135mA at 12V DC
	Output voltage	13.8V DC in normal conditions (mains powered and fully charged battery), min. 10V DC when powered by secondary device (before system shut down to battery deep discharge protection)	13.8V DC in normal conditions (mains powered and fully charged battery), min. 10V DC when powered by secondary device (before system shut down to battery deep discharge protection)	13.8V DC in normal conditions (mains powered and fully charged battery), min. 10V DC when powered by secondary device (before system shut down to battery deep discharge protection)	13.8V DC in normal conditions (mains powered and fully charged battery), min. 10V DC when powered by secondary device (before system shut down to battery deep discharge protection)
	Low voltage trigger	7.5V DC	7.5V DC	7.5V DC	7.5V DC
	Overvoltage protection	14.75V DC	14.75V DC	14.75V DC	14.75V DC
	Peak to Peak ripple	Max. 5% of output voltage	Max. 5% of output voltage	Max. 5% of output voltage	Max. 5% of output voltage
	Auxiliary power (nominal)	CN14/CN12: max 1500mA at 12V DC EXT+: 1000mA INT+: 560mA CN15: max 560mA at 12V DC	CN14/CN12: max 1500mA at 12V DC EXT+: 1000mA INT+: 560mA CN15: max 560mA at 12V DC	CN14/CN12: max 1500mA at 12V DC EXT+: 1000mA INT+: 560mA CN15: max 560mA at 12V DC	CN14/CN12: max 1500mA at 12V DC EXT+: 1000mA INT+: 560mA CN15: max 560mA at 12V DC
	Supported battery capacity	7Ah	7Ah	17Ah	17Ah
	Battery type (Battery not supplied)	YUASA NP7-12FR (12V/7Ah) - NF PowerSonic PS1270 (12V/7Ah) YUASA YuGel Y7-12FR (12V/7Ah)	YUASA NP7-12FR (12V/7Ah) - NF PowerSonic PS1270 (12V/7Ah) YUASA YuGel Y7-12FR (12V/7Ah)	YUASA NP17-12FR (12V/17Ah) - NF YUASA YuGel Y17-12FR (12V/17Ah) PowerSonic PS12170 (12V/17Ah)	YUASA NP17-12FR (12V/17Ah) - NF YUASA YuGel Y17-12FR (12V/17Ah) PowerSonic PS12170 (12V/17Ah)
	Battery charger	Current limited to 3A (fuse protected), deep discharge protection at 10V DC	Current limited to 3A (fuse protected), deep discharge protection at 10V DC	Current limited to 3A (fuse protected), deep discharge protection at 10V DC	Current limited to 3A (fuse protected), deep discharge protection at 10V DC
	Battery protection	Max. 72h to 80% of battery capacity	Max. 72h to 80% of battery capacity	Max. 24h to 80% of battery capacity	Max. 24h to 80% of battery capacity
	Tamper contact	Front spring tamper, 2 auxiliary tamper contact inputs	Front spring tamper, 2 auxiliary tamper contact inputs	Front spring tamper, 2 auxiliary tamper contact inputs	Front spring tamper, 2 auxiliary tamper contact inputs
	Startup time before fully operational	< 15 sec	< 15 sec	< 15 sec	< 15 sec
	Software update	Local and remote upgrade for controller, peripherals and GSM/PTSN modems	Local and remote upgrade for controller, peripherals and GSM/PTSN modems	Local and remote upgrade for controller, peripherals and GSM/PTSN modems	Local and remote upgrade for controller, peripherals and GSM/PTSN modems
	Calibration	No calibration checks required (calibrated at manufacturing)	No calibration checks required (calibrated at manufacturing)	No calibration checks required (calibrated at manufacturing)	No calibration checks required (calibrated at manufacturing)
	Serviceable parts	500mA T (replaceable part on mains terminal block)	500mA T (replaceable part on mains terminal block)	500mA T (replaceable part on mains terminal block)	500mA T (replaceable part on mains terminal block)
	Operating temperature	-10 to +55°C	-10 to +55°C	-10 to +55°C	-10 to +55°C
	Relative humidity	Max. 93% (non condensing)	Max. 93% (non condensing)	Max. 93% (non condensing)	Max. 93% (non condensing)
	Colour	RAL 9003 (signal white)	RAL 9003 (signal white)	RAL 9003 (signal white)	RAL 9003 (signal white)
	Weight	3.480kg	3.480kg	5.380kg	5.380kg
	Dimensions (W x H x D)	264 x 357 x 81mm	264 x 357 x 81mm	326 x 415 x 114mm	326 x 415 x 114mm
	IP rating	30	30	IP30/IPK06	IP30/IPK06
	Housing	Small metal housing (1.2mm mild steel)	Small metal housing (1.2mm mild steel)	Hinged metal housing (1.2mm mild steel)	Hinged metal housing (1.2mm mild steel)
	Housing can contain up to	1 additional expander (size 150 x 82mm)	1 additional expander (size 150 x 82mm)	4 additional expanders (size 150 x 82mm)	4 additional expanders (size 150 x 82mm)
User credentials	Users	100	500	500	2500
	Access Cards	32	250	250	250
	SMS	100	500	500	2500
	Web passwords	32	50	50	100
	User Profiles	100	100	100	100
Connectivity	Web server	embedded	embedded	embedded	embedded
	RS232	1	1	2	1
	USB interface	1 (micro USB)	1 (micro USB)	1 (micro USB)	1 (micro USB)
	Ethernet 100Mbps full duplex Ethernet (RJ45)	1	1	1	1
X-Bus	X-Bus interface	2	2	2	2
	X-Bus devices max.	11	48	48	128
	X-Bus keypads	4	16	16	32
	X-Bus IO devices	5	16	16	64
	X-Bus output devices	5	16	16	64
Access Control	X-Bus door expanders	2	8	8	32
	Doors only Entry	4	16	16	64
	Doors Entry / Exit	2	8	8	32
	Card readers max.	4	16	16	64
2-Way Wireless	Supported card technologies	Mifare, Classic 1k, Cotag, DESfire, EM4102, Wiegand (26 & 37 bits, HID Corp 1000)	Mifare, Classic 1k, Cotag, DESfire, EM4102, Wiegand (26 & 37 bits, HID Corp 1000)	Mifare, Classic 1k, Cotag, DESfire, EM4102, Wiegand (26 & 37 bits, HID Corp 1000)	Mifare, Classic 1k, Cotag, DESfire, EM4102, Wiegand (26 & 37 bits, HID Corp 1000)
	Wireless gateways	1	1	1	1
	Wireless keypads	2	4	4	4
	Wireless repeaters	4	4	4	4
	Wireless detectors max.	40	64	64	64
	Wireless output devices max. bells/strobes (int/ext.)	16	16	16	16
	FOBs max.	20	20	20	20
Transmission	IP dialer EDP / FlexIC	on board	on board	on board	on board
	Internal modems max.	2	2	2	2
	PSTN modems max.	1 + 1	1 + 1	1 + 1	1 + 1
	GSM modems max. (2G/3G or 2G/4G support)	1 + 1	1 + 1	1 + 1	1 + 1
	FlexIC max. no. of supported ATS	3	5	5	10
	FlexIC max. no. of supported ATP	8	15	15	30
	Event Profiles	5	10	10	20
	Event Exceptions	10	50	50	100
	Command Profiles	5	8	8	10
Alarm verification	Verification zones	16	32	32	32
	IP cameras	4	4	4	4
	Video	Up to 16 pre/16 post event images (by JPEG resolution 320 x 240, max. 1 frame/sec.)	Up to 16 pre/16 post event images (by JPEG resolution 320 x 240, max. 1 frame/sec.)	Up to 16 pre/16 post event images (by JPEG resolution 320 x 240, max. 1 frame/sec.)	Up to 16 pre/16 post event images (by JPEG resolution 320 x 240, max. 1 frame/sec.)
	Audio	Up to 60sec. pre/60sec. post audio recording	Up to 60sec. pre/60sec. post audio recording	Up to 60sec. pre/60sec. post audio recording	Up to 60sec. pre/60sec. post audio recording
	X-BUS Audio expanders max.SPC340 / SPC341 / SPCV440	8	16	16	32
	Audio Satellites max. 3 per X-BUS Audio expander	24	48	48	96