Category	Spec	SPC42	SPC52	SPC53	SPC63
		Main product	License upgrade (avail Q1/2024)	Main product	License upgrade (avail Q1/2024)
Controller details	Type	Main product	License upgrade (avail Q1/2024)	Main product	License upgrade (avail Q1/2024)
	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, 3 freely programmable (each supplied via auxiliary output)	2 internal/external bell, 3 freely programmable (each supplied via auxiliary output)	2 internal/external bell, 3 freely programmable (each supplied via auxiliary output)	2 internal/external bell, 3 freely programmable (each supplied via auxiliary output)
	Log Intrusion	10000	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
	PSU specificaton	OTS PSU 50W	OTS PSU 50W	OTS PSU 75W	OTS PSU 75W
	Power supply	Type A (per EN50131-1)	Type A (per EN50131-1)	Type A (per EN50131-1)	Type A (per EN50131-1)
	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)
	Operating current min	Max. 40mA at 230V AC	Max. 40mA at 230V AC	Max. 40mA at 230V AC	Max. 40mA at 230V AC
	Operating current max	Max. 149mA at 12V DC	Max. 149mA at 12V DC	Max. 149mA at 12V DC	Max. 149mA at 12V DC
	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 TBC	7.5V DC TBC	7.5V DC TBC	7.5V DC TBC
	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)	Max. 1900mA at 12V DC (1500mA from CN14,CN12 & 400mA from CN15)	Max. 1900mA at 12V DC (1500mA from CN14,CN12 & 400mA from CN15)	Max. 1900mA at 12V DC (1500mA from CN14,CN12 & 400mA from CN15)	Max. 1900mA at 12V DC (1500mA from CN14,CN12 & 400mA from CN15)
	Supported battery capacity	7Ah	7Ah	17Ah	17Ah
	Battery type (Battery not supplied)	YUASA NP7-12FR (12V/7Ah) - NF PowerSonic PS1270 (12V/7Ah) YUASA Yucel Y7-12FR (12V/7Ah)	YUASA NP7-12FR (12V/7Ah) - NF PowerSonic PS1270 (12V/7Ah) YUASA Yucel Y7-12FR (12V/7Ah)	YUASA NP17-12FR (12V/17Ah) - NF YUASA Yucel Y17-12FR (12V/17Ah) PowerSonic PS12170 (12V/17Ah)	YUASA NP17-12FR (12V/17Ah) - NF YUASA Yucel Y17-12FR (12V/17Ah) PowerSonic PS12170 (12V/17Ah)
	Battery charger	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
	Battery protection	Current limited to 3A (fuse protected), deep discharge protection at 10V DC +/- 3%	Current limited to 3A (fuse protected), deep discharge protection at 10V DC +/- 3%	Current limited to 3A (fuse protected), deep discharge protection at 10V DC +/- 3%	Current limited to 3A (fuse protected), deep discharge protection at 10V DC +/- 3%
	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
	Bootup 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/IK06	IP30/IK06
	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)
	Metal Housing size BxHxT mm	G2	G2	G3	G3
		264x357x81	264x357x81	326x415x114	326x415x114
User credentials	Users	100	500	500	2500
	Paces	32	250	250	250
	Access Cards	100	500	500	2500
	SMS	32	50	50	100
	Web passwords	32	50	50	100
	User Profiles	100	100	100	100
Connectivity	RS232	1	1	2	1
	USB interface	1 (micro USB)	1 (micro USB)	1 (micro USB)	1 (micro USB)
	Ethernet 100Mbits 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 I/O devices	5	16	16	64
	X-Bus output devices	5	16	16	64
	X-Bus door expanders	2	8	8	32
Access Control	Doors only Entry	4	16	16	64
	Doors Entry / Exit	2	8	8	32
	Card readers max.	4	16	16	64
2-Way Wireless	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 / FlexC	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
	FlexC max. no. of supported ATS	3	5	5	10
	FlexC 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 exanders max.	8	16	16	32
	SPC340 / SPC341 / SPCV440				
	Audio Satelites max .3 per X-BUS Audio expander	24	48	48	96
E-Bus integration	E-Bus Gateway	5	5	5	5
	Max no. of E-Bus SMT/SAT12/24 (recognized as 8 IN/2OUT)	4	15	15	63
	E-BUS SMT /SATdevices zones	16 (4xSxT12)	60 (15xSAT12)	60 (15xSAT12)	252 (63xSxT12)
	Max no. of E-Bus PDM-E (recognized as 2 IN/2OUT)	16	56	56	56
	E-Bus PDM-E detectors zones	32 (PDM-E)	112 (PDM-E)	112 (PDM-E)	112 (PDM-E)
	E-Bus Keypads (*1)	4	16	16	16
	E-Bus PSUs (*2)	5	16	16	16
	E-Bus SMT44 (recognized as SPCE452)	4	4	4	4

Supported E-Bus keypads
(*1) SAK41/SAK51

Simulation of E-Bus devices
(*2) SAP14/20 + SMT12 -> SPCP355 + SPCE652
SAP25 + 8 inputs   -> SPCP355 + 2 X SPCE652