ELAN® Controllers Comparison Table

	EL-SC-100-ZW System Controller	EL-IO-200 Control Extender*	EL-SC-300-ZW System Controller
CONNECTIONS			
Serial RS-485	n/a	(2) RJ45 Port	(2) RJ45 Port
Serial RS-232	(1) RJ45 Port	(2) RJ45 Port	(8) RJ45 Port
Elan SENSE	(1) 3.5mm Connector (Stereo)	n/a	n/a
Signal Inputs	n/a	(2) 3-position screw terminals	(4) 3-position screw terminals
IR Output	(3) 3.5mm Connector (Mono) 12V DC	(4) 3.5mm Connector (Mono) 12V DC	(12) 3.5mm Connector (Mono) 12V DC
Audio	(1) 3.5mm Connector (Stereo)	n/a	(1) RCA Stereo Pair
Relays	n/a	(2) 3-position screw terminals	(6) 3-position screw terminals
HDMI	(1) HDMI Female Connector	n/a	(1) HDMI Female Connector
USB	(1) USB-A Connector	n/a	(2) USB-A Connector
Ethernet	(1) RJ-45 Gigabit Ethernet Port (PoE)	(1) RJ-45 Ethernet Port (PoE)	(1) RJ-45 Gigabit Ethernet Port (PoE)
Wi-Fi	2.4 / 5 GHz 802.11 b/g/n	2.4 / 5 GHz 802.11 b/g/n	2.4 / 5 GHz 802.11 b/g/n
Power	Coaxial Type-A – 2.5mm inside diameter	Coaxial Type-A – 2.5mm inside diameter	Coaxial Type-A – 2.5mm inside diameter
SYSTEM			
Software Compatibility	Core Module 8.4 and up	Core Module 8.6 and up	Core Module 8.6 and up
Updates	Network	Network	Network
POWER			
Included Power Supply	120/240VAC input 12VDC 1A output	120/240VAC input 5VDC 2A output	120/240VAC input 12VDC 2.5A output
PoE	IEEE 802.3 at Type 2	IEEE 802.3 at Type 2	IEEE 802.3 at Type 2
GENERAL			
Temperature	0 to 40 degrees C	0 to 40 degrees C	0 to 40 degrees C
Operating Humidity	90% Maximum (Non-Condensing)	90% Maximum (Non-Condensing)	90% Maximum (Non-Condensing)
Mounting	Free standing, wall mount, optional structured wiring can mount	Free standing, wall mount, optional structured wiring can mount	Free standing, rack mount
Dimensions	(in.) 6-15/16 W x 1-1/4 H x 5 D (mm) 176 W x 31 H x 126 D	(in.) 8.46 W x 1.63 H x 5 D (mm) 215 W x 41.5 H x 127 D	With Feet (in.) 17 W x 2.25 H x 14 D (mm) 431.8 W x 57.2 H x 355.6 D Without Feet / With Rack Mount Brackets (in.) 19 W x 1.75 H x 14 D (mm) 482.6 W x 44.45 H x 355.6 D
Packaged Dimensions	(in.) 10 W x 2.9 H x 8.75 D (mm) 254 W x 76.2 H x 285.75	(in.) 11.3 W x 2.5 H x 10.4 D (mm) 287 W x 63.5 H x 264	(in.) 20.4 W x 3.2 H x 18.5 D (mm) 518.16 W x 81.28 H x 469.9
Packaged Weight	2.8 lb. / 1.27 kg	2.5 lb. / 1.13 kg	12.5 lb. / 566 kg
Certifications	CE, FCC, C-Tick / RCM	CE, FCC, C-Tick / RCM	CE, FCC, C-Tick / RCM
Included in Box	(1) 12VDC Power Supply with International Blades (1) Z-Wave Plus Transceiver	(1) 5VDC Power Supply with International Blades (2) Male DB9 to female RJ45 (1) Female DB9 to female RJ45 (4) Phoenix style male connectors	(1) 12VDC Power Supply with International Blades (2) Rack mount brackets (7) Male DB9 to female RJ45 (3) Female DB9 to female RJ45 (10) Phoenix style male connectors (1) Wi-Fi Antenna (1) Z-Wave Plus Transceiver
Z-WAVE TRANSCEIVER			
Frequency Band	868.4MHz - 916MHz	n/a	868.4MHz - 916MHz
Series	700 Series	n/a	700 Series
Connection	USB / Controller	n/a	USB / Controller
Cable Length	6.5 feet / 2 Meters	n/a	6.5 feet / 2 Meters
Dimensions	(in) 1.5w x 1.5h x .5d (mm) 40w x 40h x 17d	n/a	(in) 1.5w x 1.5h x .5d (mm) 40w x 40h x 17d

* Requires an ELAN System Controller

ELAN Software FOR SC-100 AND SC-300 CONTROLLERS

GVSL ELAN Viewer Software License
Adding the ELAN Viewer Software License to any Controller unlocks the maximum number of third party interface devices enabling up to 32 simultaneous connections from iOS, Android, PC and Mac devices.

EL-SW-100-PRO
EL-SW-100-PRO License for EL-SC-100 controller enables all the software features available other ELAN gSC or SC controllers.

ELAN App Structure

APPLICATION		EL-SC-100-ZW 3rd Party *	Nortek Control	EL-SC-100-ZW with EL-SW-100-PRO or EL-SC-300-ZW	NOTES
Security		2 partitions, 16 zones	4 partitions, 100 zones	8 partitions, 256 zones	
Door Locks		2	n/a	16	
Climate (Thermostats)		3	32	32	
LIGHTING	Devices	24	n/a	256	The number indicates total loads, keypads and shades
	Viewer Keypads	24	n/a	256	
MEDIA	AVR	2*	n/a	16	
	Multi-Zone	Not Supported**	Maximum*	Maximum*	
	Displays	32	32	32	
	Sources	Maximum*	Maximum*	Maximum*	
	Generic Single-Zone Controllers	4	Maximum*	Maximum*	Generic Single Zone Controllers can be used for 3rd party Matrix
IRRIGATION	Groups	16	16	16	
	Zones	256	256	256	
VIDEO	IP Cameras	4*	16	16	
Intercom		Y	Y	Y	
Pool / Spa		n/a	n/a	4 systems	
Viewer Licenses		2	2	2	
Viewer Licenses with GVSL		32	32	32	
ELAN Interface Devices		32	32	32	
Extenders		n/a	4	16	Up to 4 SC-100 extenders may be used on an SC-100 master
Z-Wave Devices		50	50	50	50 total Z-Wave devices per System. Z-Wave transceiver can only be connected to the main controller.

* Please always refer to the Integration notes for maximum devices.
** Multi-Zone AVR supported

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