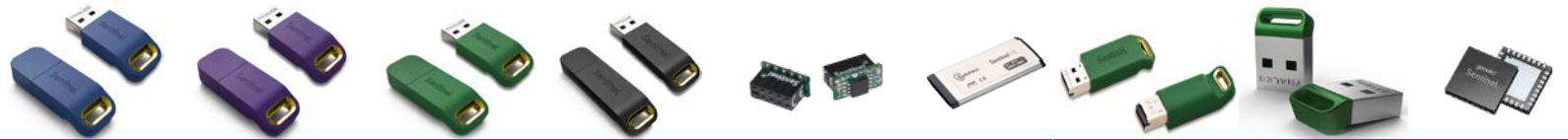


Sentinel HL

Driverless Configuration Keys



	Basic	Pro	Max	Time	Max	Max	Drive microSD**	Max	Max	
FORM FACTOR	Mini	Mini	Mini	Midi	Board	ExpressCard	Midi	Micro	Chip	
SECURITY AND CRYPTOGRAPHIC ALGORITHMS										
Unique 32-Bit ID		Y	Y	Y	Y	Y	Y	Y	Y	
AES 128 -Bit Encryption	Y	Y	Y	Y	Y	Y	Y	Y	Y	
64,000 Encryption Keys	1	Y	Y	Y	Y	Y	Y	Y	Y	
On Chip Execution (AppOnChip 32bit & 64bit Win)	Y*	Y*	Y	Y	Y	Y	Y	Y	Y	
LICENSING MODELS SUPPORT										
Perpetual	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Feature-Based		Y	Y	Y	Y	Y	Y	Y	Y	
Pay-Per-Use		Y	Y	Y	Y	Y	Y	Y	Y	
Network Concurrency		Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	
Time-Based		Y*	Y	Y	Y	Y	Y	Y	Y	
Custom		Y	Y	Y	Y	Y	Y	Y	Y	
CLOCK										
Real Time Clock				Y						
V-Clock		Y*	Y	Y	Y	Y	Y	Y	Y	
Battery Life Warranty				4-Years						
Real Time Clock Accuracy (at 25 ± 5 °C)				≤12.8 minutes/year						
MEMORY										
Protected Read / Write Memory		112 Bytes	4KB	4KB	4KB	4KB	4KB	4KB	4KB	
Read Only Memory (ROM)		112 Bytes	2KB	2KB	2KB	2KB	2KB	2KB	2KB	
Dynamic Memory			390KB	390KB	25KB	25KB	25KB	390KB	390KB	
Data Retention		At Least 10 Years	At Least 10 Years	At Least 10 Years	At Least 10 Years	At Least 10 Years	At least 10 years	At least 10 Years	At least 10 Years	
Write Cycles (EEPROM / Flash)		At Least 1,000,000	At Least 1,000,000	At Least 1,000,000	At Least 1,000,000	At Least 1,000,000	At least 1,000,000	At least 1,000,000	At least 1,000,000	
Max. licensable modules (Features, depending on license complexity)		11-39	3484-24386	3484-24386	240-2160	240-2160	240-2160	3484-24386	3484-24386	
Flash (Read / Write) per second							* depends on microSD card			
Flash Memory							Support microSD card up to 64GB			
PHYSICAL SPECIFICATIONS										
Default Color	Blue	Purple	Green	Black	Black	Silver Metal	Green	Green	Black	
Plastic Case Material	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate		Polycarbonate / Stainless Steel	Polycarbonate			
Operating Temperature***	-25 to 85 °C -13 to 185 °F	-25 to 85 °C -13 to 185 °F	-25 to 85 °C -13 to 185 °F	-20 to 60 °C -4 to 140 °F	-25 to 85 °C -13 to 185 °F	-25 to 85 °C -13 to 185 °F	0 °C to 60 °C 140 °F	-40 to 85 °C -40 to 185 °F	-40 to 105 °C -40 to 221 °F	
Humidity Rating	0-95%	0-95%	0-95%	0-95%	0-95%	0-95%	0-95%	0-95%	0-95%	
Power Consumption-operating / standby	50mA / < 0.5 mA	50mA / < 0.5 mA	50mA / < 0.5 mA	50mA / < 0.5 mA	20mA / < 0.5 mA	25mA / < 0.5 mA	200mA max	50mA / < 0.5mA	20mA / < 0.5mA	
Dimensions L x W x H (in mm)	40.5 x 16 x 8	40.5 x 16 x 8	40.5 x 16 x 8	52 x 16 x 8	15.2x8x12.4	75 x 34 x 5	52x16x8	18x12.2x4.5	5.0x5.0x0.9	
Weight (in grams)	5.63	5.63	5.63	7.36	1.23	15	6.98	1.64	NA	
CERTIFICATION										
Safety Certifications	IEC 62368 -EN 62368 -1, UL 62368 -1, CAN/CSA -C22.2 NO. 62368 -1 A, AS/NZS 60950.1	IEC 62368 -1, EN 60950 -1, UL 62368 -1, CAN/CSA -C22.2 NO. 62368 -1 A, AS/NZS 60950.1	IEC 62368 -1, EN 60950 -1, UL 62368 -1, CAN/CSA -C22.2 NO. 62368 -1 A, AS/NZS 60950.1	IEC 62368 -1, EN 60950 -1, UL 62368 -1, CAN/CSA -C22.2 NO. 62368 -1 A, AS/NZS 60950.1	IEC 62368 -1, EN 62368 -1, UL 62368 -1, CAN/CSA -C22.2 NO. 62368 -1 A, AS/NZS 60950.1	IEC 62368 -1, EN 62368 -1, UL 62368 -1, CAN/CSA -C22.2 NO. 62368 -1 A, AS/NZS 60950.1	IEC 62368 -1, EN 62368 -1, UL 62368 -1, AS/NZS 60950.1	IEC 62368 -1, EN 62368 -1, UL 62368 -1, AS/NZS 60950.1	IEC 62368 -1, EN 62368 -1, UL 62368 -1, CAN/CSA -C22.2 NO. 62368 -1 A, AS/NZS 60950.1	
Certification / Guidance	RoHS, WEEE, REACH	RoHS, WEEE, REACH	RoHS, WEEE, REACH	RoHS, WEEE, REACH	RoHS, WEEE, REACH	RoHS, WEEE, REACH	RoHS, WEEE, REACH	RoHS, WEEE, REACH	RoHS, REACH	
EMC Certifications	CE, FCC, VCCI	CE, FCC, VCCI	CE, FCC, VCCI	CE, FCC, VCCI	CE, FCC, VCCI	CE, FCC, VCCI	CE, FCC, VCCI	CE, FCC, VCCI	CE, FCC, VCCI	

*Requires a paid upgrade. **Supported only with Sentinel LDK 7.4 and later.

***The host USB port which powers the hardware key should be compliant with LPS (Limited Power Source) requirement IEC 62368 clause 2.5. The operating temperature of the hardware keys is up to 85 to avoid scalding, do not touch the keys with hands directly when the environment temperature is higher than 50°C.



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