

Sentinel HL



HASP Configuration Keys	Basic	Pro	Max	Max	Net	Time	NetTime	Drive microSD**	Max	Max
FORM FACTOR	Mini	Mini	Mini	Micro	Mini	Midi	Midi	Midi	Chip	ExpressCard
SECURITY AND CRYPTOGRAPHIC ALGORITHMS										
Unique 32-Bit ID		✓	✓	✓	✓	✓	✓	✓	✓	✓
AES 128-Bit Encryption	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
64,000 Encryption Keys		✓	✓	✓	✓	✓	✓	✓	✓	✓
LICENSING MODELS SUPPORT										
Perpetual	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Feature-Based		✓	✓	✓	✓	✓	✓	✓	✓	✓
Pay-Per-Use		✓	✓	✓	✓	✓	✓	✓	✓	✓
Network Concurrence					✓		✓		✓	✓
Time-Based						✓	✓			
Custom		✓	✓	✓	✓	✓	✓	✓	✓	✓
CLOCK										
Real Time Clock						✓	✓			
Battery Life Warranty						4 Years	4 Years			
Real Time Clock Accuracy (at 25°± 5°C)						≤12.8 minutes/year	≤12.8 minutes/year			
MEMORY										
Protected Read / Write Memory		112 Bytes	4KB	4KB	4KB	4KB	4KB	4KB	4KB	4KB
Read Only Memory (ROM)		112 Bytes	2KB	2KB	2KB	2KB	2KB	2KB	2KB	2KB
Backward Compatibility Memory		112 Bytes	4KB	4KB	4KB	4KB	4KB	4KB		4KB
Data Retention									At Least 10 Years	
Write Cycles (EEPROM / Flash)									At Least 1,000,000	
Max. licensable modules (Features, depending on license complexity)		39	231	231	231	231	231	231	231	231
Flash (Read / Write) per second									*depends on microSD card	
Flash Memory									Support MicroSD card up to 64GB	
PHYSICAL SPECIFICATIONS										
Default Color	Blue	Purple	Green	Green	Red	Black	Red	Green	Black	Silver Metal
Plastic Case Material	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate		Polycarbonate /Stainless Steel
Operating Temperature	-25°C to 85°C -13°F to 185°F	-25°C to 85°C -13°F to 185°F	-25°C to 85°C -13°F to 185°F	-25°C to 85°C -13°F to 185°F	-25°C to 85°C -13°F to 185°F	-20°C to 60°C -4°F to 140°F	-20°C to 60°C -4°F to 140°F	0°C to 60°C -32°F to 140°F	-25°C to 85°C -13°F to 185°F	-25°C to 85°C -13°F to 185°F
Humidity Rating	0-95%	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	50mA / < 0.5 mA	50mA / < 0.5 mA	50mA / < 0.5 mA	200mA max	20mA / < 0.5 mA	25mA / < 0.5 mA
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	18 x 12.2 x 4.5	40.5 x 16 x 8	52 x 16 x 8	52 x 16 x 8	52 x 15 x 8	8.2 x 5.3x2.1	75 x 34 x 5
Weight (in grams)	5.63	5.63	5.63	1.64	5.63	7.36	7.36	6.98	N/A	15
CERTIFICATION										
Safety Certifications	IEC 60950-1, EN 60950-1, UL 60950-1, CAN/CSA-C22.2 NO.60950-1A, AS/NZS 60950.1								EN60950	IEC 60950-1, EN 60950-1, UL 60950-1, AS/NZS 60950.1
Certification / Compliance	RoHS, WEEE, REACH								RoHS; REACH	RoHS, WEEE, REACH
EMC Certifications	CE, FCC, VCCI, KCC-REM-SFN-HLMax	CE, FCC, VCCI, KCC-REM-SFN-HLMax	CE, FCC, KCC, VCCI	CE, FCC, VCCI, KCC-REM-SFN-HLMaxMicro	CE, FCC, VCCI, KCC-REM-SFN-HLMax	CE, FCC, KCC, VCCI	CE, FCC, VCCI, KCC-REM-SFN-HLTime	CE, FCC, VCCI		CE, FCC, KCC, VCCI

**Supported only with Sentinel LDK 7.4 and later.