**Sentinel HL**

<table>
<thead>
<tr>
<th>HASP Configuration Keys</th>
<th>Basic</th>
<th>Pro</th>
<th>Max</th>
<th>Max</th>
<th>Net</th>
<th>Time</th>
<th>NetTime</th>
<th>Drive microSD**</th>
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<tbody>
<tr>
<td><strong>FORM FACTOR</strong></td>
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<td>Micro</td>
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<td>Chip</td>
<td>ExpressCard</td>
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<td><strong>SECURITY AND CRYPTOGRAPHIC ALGORITHMS</strong></td>
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**MEMORY**

- Protected Read/Write Memory
  - Basic: 112 Bytes
  - Pro: 4KB
  - Max: 4KB
  - Net: 4KB
  - Time: 4KB
  - NetTime: 4KB
  - Max: 4KB
  - Max: 4KB
- Read Only Memory (ROM)
  - Basic: 112 Bytes
  - Pro: 2KB
  - Max: 2KB
  - Net: 2KB
  - Time: 2KB
  - NetTime: 2KB
  - Max: 2KB
  - Max: 2KB
- Backward Compatibility Memory
  - Basic: 112 Bytes
  - Pro: 4KB
  - Max: 4KB
  - Net: 4KB
  - Time: 4KB
  - NetTime: 4KB
  - Max: 4KB
  - Max: 4KB
- Data Retention
  - Basic: At Least 10 Years
  - Pro: 4 Years
  - Max: 4 Years
- Write Cycles (EEPROM/Flash)
  - Basic: At Least 1,000,000
  - Pro: 4 Years
  - Max: 4 Years
- Max licensable modules (Features, depending on license complexity)
  - Basic: 39
  - Pro: 231
  - Max: 231
- Flash (Read/Write) per second
  - Basic: 12.8 minutes/year
  - Pro: 12.8 minutes/year
- Flash Memory
  - Basic: Support MicroSD card up to 64GB

**PHYSICAL SPECIFICATIONS**

- **Default Color**
  - Basic: Blue, Purple, Green
  - Pro: Green
  - Max: Green
- **Plastic Case Material**
  - Basic: Polycarbonate, Polycarbonate, Polycarbonate
  - Pro: Polycarbonate
  - Max: Polycarbonate
- **Operating Temperature**
  - Basic: -25°C to 85°C
  - Pro: -25°C to 85°C
  - Max: -25°C to 85°C
- **Humidity Rating**
  - Basic: 0.95%
  - Pro: 0.95%
  - Max: 0.95%
- **Power Consumption - operating/standby**
  - Basic: 50mA / 0.5 mA
  - Pro: 50mA / 0.5 mA
  - Max: 50mA / 0.5 mA
- **Dimensions L x W x H (in mm)**
  - Basic: 40.5 x 16 x 8
  - Pro: 40.5 x 16 x 8
  - Max: 40.5 x 16 x 8
- **Weight (in grams)**
  - Basic: 5.63
  - Pro: 5.63
  - Max: 5.63

**CERTIFICATION**

- **Safety Certifications**
  - Basic: IEC 60950-1, EN 60950-1, UL 60950-1, CAN/CSA-C22.2 No.60950-1A, AS/NZS 60950.1
  - Pro: IEC 60950-1, EN 60950-1, UL 60950-1, AS/NZS 60950.1
  - Max: IEC 60950-1, EN 60950-1, UL 60950-1, AS/NZS 60950.1
- **Certification/Compliance**
  - Basic: RoHS, WEEE, REACH
  - Pro: RoHS, WEEE, REACH
  - Max: RoHS, WEEE, REACH
- **EMC Certifications**
  - Basic: CE, FCC, VCCI, KCC-REM-SFN-HLMax
  - Pro: CE, FCC, VCCI, KCC-REM-SFN-HLMax
  - Max: CE, FCC, VCCI, KCC-REM-SFN-HLMax

**Supported only with Sentinel LDK 7.4 and later.**