

## S120L USB Desktop Reader/Writer



**Smart 100** USB Desktop Reader/Writer is a product independently developed by Hopeland. The product is a high-performance UHF RFID reading and writing device integrating antenna and reader. It is small and exquisite. It complies with ISO/IEC 18000-6c/epc C1G2 standard and is mainly used in assembly line station management, retail store cashier, background card issuing and other scenarios.

### Features

- Built in circularly polarized antenna
- USB Type-C for power supply & communication.
- Simply switch between two working modes, USB read/write mode / USB HID keyboard output mode
- Free tag writing software greatly improves efficiency
- Compactly Integrated design supports better deploy / installation

### Typical Application

- Assembly line station management
- Management of books, documents, jewelry, cultural relics, etc
- Medical devices, drug management, etc

## Specifications

### SDK AND FIRMWARE MANAGEMENT

Firmware Upgrade	Demo software Windows platform– .Net /Java SDK
API Support	Android platform - Java SDK Linux platform – Java SDK

### PHYSICAL CHARACTERISTICS

Dimensions	170mm×120mm×17mm
Weight	0.25kg
Housing Material	Aluminum +Acrylic
Visual Status Indicators	Power & Working status indicators

### RFID CHARACTERISTICS

Air Protocols	ISO/IEC18000-6B, 6C / EPC C1Gen2 <b>C2GEN2 optional</b> CHN: 920MHz ~ 925MHz (CMII)
Frequency	USA: 902 MHz-928MHz (FCC part 15) EU: 865MHz ~ 868MHz (ETSI EN 302208)
Antenna	Built-in antenna, circular polarization
Output Power	0dBm-30dBm (±1dBm) adjustable
Channel bandwidth	< 200KHz
Reading Distance	0-1m(According to Tag & Environment)
Anti-collision	Support multi-tag / intensive inventory
Work Mode:	Fixed/hop frequency optional

### CONNECTIVITY

Communications	USB Type-C
General Purpose I/O	1 optcoupler input, 1 pair 5V output or wiegand output (wiegand output is shared with 5V output)
Power supply	USB Type-C 1.3W@10dBm, 1.8W@20dBm, 3.5W@30dBm

### ENVIRONMENTAL

Operating Temp.	-20 - +70°C
Storage Temp.	-40 - +85°C
Humidity	5-95% non-condensing (+25°C)
Sealing	IP5X