

# KP6180

*rain*

**KP6180 *rain*** is a high performance USB UHF Reader. With the high stability, excellent anti-electromagnetic interference capability

**KP6180 *rain*** is idea device for desktop applications where punctual reading/writing is required.

**KP6180 *rain*** can be used in warehouse management, archives, and library management, bank, clothing, and footwear retail, jewelry monitoring, watch industry, laundry, production line management, medical instrument cabinet, and vending machines.



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## Main Characteristics

Physical	Dimensions	Diameter 100mm, Height 70mm
	Weight	100 gr.
	Connector	USB Type C
	Cable	1.8mt (maximum length)
	Case Material	Aluminum + ABS
	Indicator	Activity Blue LED
	Input Voltage	USB 5 +0.25/-0.60VDC as USB 2.0 Specification
	Current	Idle: 10mA Reading / Writing: 200mA
Communication	Interface Supported	USB 2.0 High Speed
	USB Class	USB HID USB Virtual COM USB CCID
	Protocol	TSBIN V6.0/V9.5 and above (TechSigno IDSOFT DESK USB VCOM) Open protol
Contactless Interface	Frequency	USA: 902 MHz-928MHz (FCC part 15) EU: 865-868MHz (ETSI EN 302208) CN: 920-925MHz (CMIIT)
	Protocol	ISO/IEC18000-6C / EPC C1Gen2
RF Performance	Read Speed	Typical Tag operation speed: < 200 ms
	Distance of Reading <small>(the distance is related to the TAG dimension)</small>	100cm
Environmental	Temperature	Operating -5° to +65°C Storage -20° to +70°C
	Humidity	5% to 90% (non-condensing)
	Sailing	IP52
	Certifications	EMC: EN55022, EN55024 Electrical Safety: EN62471 RF Immunity: IEC61000-4 -3, 10V/m
Other Features	Firmware Update	Supported
	Custom Configuration	Supported and Stored on Internal non volatile memory
	Operating System	Windows® 7 and above Linux® (tested distributions: Ubuntu 16.04) Android™ 2.3.4/3.1 and above (the support depends on the hardware manufacturer) MAC OS® (tested releases: macOS 10.13)
Development	GUI	Firmware Update, Configuration and Smart Cloning GUI
	SDK	DLL (Win32) SO/JAR (Android) Desktop Examples (C/C++, C#, Python, Batch) Mobile Examples (Java)

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