



BoundTable JRI-BT-1 Pro Technical Data Sheet

Appearance	Items	Description	
 	Name	BoundTable JRI-BT-1 Pro	
	Introduction	A UHF RFID reading and writing device based on EPCglobal UHF Class 1 Gen 2 / ISO 18000-6C protocol, used for tracking single surgical instrument.	
	Physical Characteristics	Device Dimension	606mm * 491mm * 66mm
		Packing Dimension	780mm * 610mm * 150mm
		Gross Weight	6.1Kg
		Packaging	One BoundTable and PoE adapter
		Color	Gray
	Performance Characteristics	Reading Height	60mm (based on our RFID tag: Rice Bead)
		Reading Capacity	To read 60 tagged instruments in 5s, tagged instruments to be placed in 1-2 layers
		Reading Space	Strictly bounded by our Japan RFID Institute patented antenna technology
	Configuration Parameters	PoE Port	RJ45 connector, IEEE 802.3at PoE+ (48V)
		Power Switch	Self-locking switch, press once to turn on the device in the off state, press once in start state to power off the device
		Battery	Support 6 pieces of protected rechargeable Li-ion batteries (3.7V 18650), other types of batteries are not recommended
		Charger	3 series isolated Li-ion battery charger
		OLED Display	Display the number of inventory tags and battery SOC in real time
		MMW Radar	Millimeter-wave radar, gesture sensing, trigger the device to refresh reading
		Trigger Button	Reset mechanical button, trigger the device to refresh reading
		Reading Area	57cm * 41cm (approximately)
		Built-in Bluetooth	Bluetooth (support Android 4.3+ and iOS 7.0+)
		Indicator Light	Bluetooth, Wi-Fi, and inventory
		USB	USB to USART (CH340)
		Tablet	Optional
		Electrical Parameters	Operating Voltage
	Rated Power		20W
	Operating Temp.		5°C ~ 40°C
	Operating Humidity		≤95% (non-condensing)
	Operating Spectrum		865MHz ~ 928MHz
Storage Temp.	-20°C ~ +70°C		
RF Output Power	10 ~ 30dBm		

