

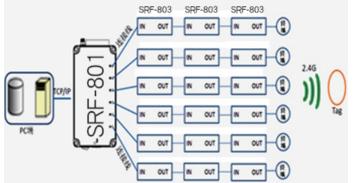
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# Network 2.4GHz RFID Receiver Terminal

# SRF-801

## **Features**

- Supports 6 routes for SRF-803 connection
- Fast data transmission speed, low power consumption.
- With plentiful I/O ports that is easy to integrate the system.
- Read distance can reach 100m (match 5dBi omni-directional antenna).



### Spec.

Communication ModeTCP/IP UDPCommunication PortRJ45Connection PortRJ11-4P4CExternal PowerDC12VRF ParameterOperating Frequency2.4GHz~2.5GHz ISM MicrowaveProtocolUser-definedModulationGFSKOutput Power<19dBm (adjustable)Sensitivity<89dBm (adjustable)Conflict AvoidanceAble to identify 200 tags in 1 sec.Identification Distance0~80m (match 5dBi omni-directional antenna)Physical ParameterWeight333gDimension135*75*22mmMaterialAluminum Alloy + AcrylicWorking Temp-20°C~+70°CStorage Temp-30°C~+80°C		
Connection PortRJ11-4P4CExternal PowerDC12VRF Parameter2.4GHz~2.5GHz ISM MicrowaveOperating Frequency2.4GHz~2.5GHz ISM MicrowaveProtocolUser-definedModulationGFSKOutput Power<19dBm (adjustable)Sensitivity.89dBm (adjustable)Communication Speed2MbpsConflict AvoidanceAble to identify 200 tags in 1 sec.Identification Distance0~80m (match 5dBi omni-directional antenna)Physical Parameter33gLimension135*75*22mmMaterialAluminum Alloy + AcrylicEnvironmental Parameter-20°C~+70°CWorking Temp30°C~+80°C	Communication Mode	TCP/IP UDP
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RF ParameterOperating Frequency2.4GHz~2.5GHz ISM MicrowaveProtocolUser-definedModulationGFSKOutput Power≤19dBm (adjustable)Sensitivity-89dBm (adjustable)Communication Speed2MbpsConflict AvoidanceAble to identify 200 tags in 1 sec.Identification Distance0~80m (match 5dBi omni-directional antenna)Physical Parameter135*75*22mmMaterialAluminum Alloy + AcrylicEnvironmental Parameter-20°C~+70°CWorking Temp30°C~+80°C	Connection Port	RJ11-4P4C
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ProtocolUser-definedModulationGFSKOutput Power<19dBm (adjustable)Sensitivity<89dBm (adjustable)Communication Speed2MbpsConflict AvoidanceAble to identify 200 tags in 1 sec.Identification Distance0~80m (match 5dBi omni-directional antenna)Physical Parameter233gWeight135*75*22mmMaterialAluminum Alloy + AcrylicEnvironmental Parameter-20°C~+70°CWorking Temp-30°C~+80°C	RF Parameter	
ModulationGFSKOutput Power<19dBm (adjustable)Sensitivity-89dBm (adjustable)Communication Speed2MbpsConflict AvoidanceAble to identify 200 tags in 1 sec.Identification Distance0~80m (match 5dBi omni-directional antenna)Physical Parameter233gWeight135*75*22mmMaterialAluminum Alloy + AcrylicEnvironmental Parameter-20°C~+70°CWorking Temp30°C~+80°C	Operating Frequency	2.4GHz~2.5GHz ISM Microwave
Output Power<19dBm (adjustable)	Protocol	User-defined
Sensitivity-89dBm (adjustable)Communication Speed2MbpsConflict AvoidanceAble to identify 200 tags in 1 sec.Identification Distance0~80m (match 5dBi omni-directional antenna)Physical Parameter233gWeight333gDimension135*75*22mmMaterialAluminum Alloy + AcrylicEnvironmental Parameter-20°C~+70°CStorage Temp30°C~+80°C	Modulation	GFSK
Communication Speed2MbpsConflict AvoidanceAble to identify 200 tags in 1 sec.Identification Distance0~80m (match 5dBi omni-directional antenna)Physical Parameter233gWeight233gDimension135*75*22mmMaterialAluminum Alloy + AcrylicEnvironmental Parameter-20°C~+70°CWorking Temp30°C~+80°C	Output Power	≤19dBm (adjustable)
Conflict AvoidanceAble to identify 200 tags in 1 sec.Identification Distance0~80m (match 5dBi omni-directional antenna)Physical Parameter233gWeight233gDimension135*75*22mmMaterialAluminum Alloy + AcrylicEnvironmental Parameter-20°C~+70°CWorking Temp30°C~+80°C	Sensitivity	-89dBm (adjustable)
Identification Distance   0~80m (match 5dBi omni-directional antenna)     Physical Parameter   233g     Weight   233g     Dimension   135*75*22mm     Material   Aluminum Alloy + Acrylic     Environmental Parameter   -20°C~+70°C     Storage Temp.   -30°C~+80°C	Communication Speed	2Mbps
Physical Parameter   Physical Parameter   Weight   233g   Dimension   135*75*22mm   Material   Aluminum Alloy + Acrylic   Environmental Parameter   Working Temp   -20°C~+70°C   Storage Temp   -30°C~+80°C	Conflict Avoidance	Able to identify 200 tags in 1 sec.
Weight 233g   Dimension 135*75*22mm   Material Aluminum Alloy + Acrylic   Environmental Parameter -20°C~+70°C   Working Temp. -20°C~+80°C	Identification Distance	0~80m (match 5dBi omni-directional antenna)
Dimension 135*75*22mm   Material Aluminum Alloy + Acrylic   Environmental Parameter -20°C~+70°C   Working Temp. -20°C~+80°C	Physical Parameter	
Material Aluminum Alloy + Acrylic   Environmental Parameter -20°C~+70°C   Storage Temp. -30°C~+80°C	Weight	233g
Environmental Parameter     Working Temp.     -20°C~+70°C     Storage Temp.     -30°C~+80°C	Dimension	135*75*22mm
Working Temp.     -20°C~+70°C       Storage Temp.     -30°C~+80°C	Material	Aluminum Alloy + Acrylic
Storage Temp30°C~+80°C	Environmental Parameter	
	Working Temp.	-20°C~+70°C
	Storage Temp.	-30°C~+80°C
Storage Humidity 5%~95% non-condensing	Storage Humidity	5%~95% non-condensing



SRF-801 is a 2.4G receiver which is equipped with 6 ports. These 6 ports can connect to SRF-803, and transmit the data to database via wired network. As a 2.4G reader, it uses PA+LNA design which enhances 2.4G performance, and is able to satisfy different applications.

### Application

- Inventory Monitoring
- Vehicle Tracking

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