RFS NetworkUSB 系列 Quick Start Guide(中文)

1 硬件准备

连接 Networ USB 任何一个网络 RJ45 口至网络交换机或测试电脑网口。连接电源线。

2 软件准备

安装 RFS Network USB 工具及驱动软件(一次安装,同时生成设备查找软件 RFS NetworkUSB Discover、设备 驱动管理客户端 RFS NetworkUSB Utility);以 windows 管理员身份账号安装;

🖟 Setup - RFS NetworkUSB — 🗆	×
License Agreement Please read the following important information before continuing.	
Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation.	
RFS Network USB Setup License	^
Except where other wise noted, all of the documentation and software included in the Network USB Setur package is convicibled by PES International Co. 1 to	
This software is provided "as-is", without any express or implied warranty. In no event shall the author be held liable for any damages arising from the use of this software.	
LICENSE. RFS grants to you only a non-assignable, nonexclusive and non-	~
Please read the following License Agreement. You must accept the term of this agre	emi
☑ I Accept the Agreement(A)	
Next > C	ancel

3 设备配置

在 IE 浏览器中输入设备 IP 地址进到 WEBUI 配置界面, 默认 IP 地址, LAN1:192.168.0.250;LAN2:192.168.1.250; IP 地址被改过忘记或未知的设备, 插入 LAN2 口, 使用 RFS USB Discover 查找, 可以广播到设备 IP 地址), 默认用户名、密码均为 root。

(3))) € http://192.188.0.250/legih.jtp 중 KS NETWORK USB/16 P × 1 00000000000000000000000000000000	- G][22.	_ ۲- ۹
RFS NETWORK USB/16 Pro Configuration and Management	t	
Login		
Welcome to the Configuration and Management Interface of the RFS NETWORK USB/16 Pro.	Username: root ×	
Please specify the username and password to login to the web interface.	Password: ++++	
See the User Guide and documentation for more information.	Login	
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在 Web 界面 Network 栏,配置设备的 IP 地址信息,保存后必须重启设备生效。(注意 LAN1 和 LAN2 IP 地址 不能设置为同网段)



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Network USB/16 Pro Configuration and Management

lleme	
Home	Network Configuration
Configuration Network	▼ IP Settings
System	LAN1
User	O Obtain an IP address automatically using DHCP *
Applications USB Ports	Ouse the following IP address:
USB HUB Support	* IP Address: 192.168.0.250
Management	* Subnet Mask: 255.255.255.0
View Connections Disconnect Group	Default Gateway: 192.168.0.1
Smart Plug USB	MTU(1500): 1500
Administration	LAN2
Update Firmware	O Obtain an IP address automatically using DHCP *
System Information	• Use the following IP address:
System Log	* IP Address: 192.168.1.250
Reboot	* Subnet Mask: 255.255.255.0
Logout	Default Gateway: 192.168.1.1
	MTU():
	DNS
	Static Primary DNS: 192.168.0.1
	Static Secondary DNS:
	$\ensuremath{^*}$ Changes DHCP, IP address, and Subnet Mask may effect your browser connection.
	Apply
	Network Services Settings
	Advanced Network Settings
	VPN Settings

在 Web 界面 USB Ports 栏配置各 USB 端口的组别,并保存,更改配置信息立即生效而无需重启。(设备使用 过程中,未被主机连接的 USB 端口可以动态更改所属组别。)默认分组为每端口一个组,可根据实际需要灵 活分组里含多少个端口。

VRES	Network USB/16 Pro Configuration and Management
	USB Port Configration
Home	▼ USB Ports Group Settings
Configuration Network	USB Port 1 Group 1 V No Device
System User	USB Port 3 Group 3 V No Device
Applications	USB Port 4 Group 4 V No Device
USB HUB Support	USB Port 5 Group 5 V No Device
Management View Connections	USB Port 7 Group 7 V No Device
Disconnect Group	USB Port 8 Group 8 V No Device
Smart Plug USB	USB Port 9 Group 9 V No Device
Administration Backup/Restore Update Firmware	USB Port 10 Group 10 ✓ No Device USB Port 11 Group 11 ✓ No Device
System Information System Tools	USB Port 12 Group 12 ♥ No Device USB Port 13 Group 13 ♥ No Device
Reboot	USB Port 14 Group 14 V No Device
Logout	USB Port 15 Group 15 V No Device USB Port 16 Group 16 V No Device
	* Changes will take effect immediately.
	Apply
	USB Ports Access Control
	Import Device Format
	USB Function Setting

注: USB Function Setting 为 Pro 系列特有的高级功能,针对智能设备行业的生产、测试、研发等场景。一般

应用无需配置该部分内容。

4 测试

运行驱动管理客户端"RFS NetworkUSB Utility",通过 Setup 菜单,Add device—输入设备 IP 地址,或点击 Device List 鼠标右键—Add device,添加 NetworkUSB 设备,输入设备 IP 地址完成添加。

🎬 RFS NetworkUSB Utility		_		\times
Setup Command Help				
😢 Device List		Device Informat	ion	
Add Device Address1 192.168.0.250 Address2 Add Device	× Port 3240 SSL Socket Cancel	RFS Network U Device Informa SerialId:902600 Contact:None Description:Rer Location:None Address1:192. Address2:	SB 16[192 tion)31 note USB 1 168.0.250	5e

NetworkUSB 设备未被其他主机连接使用的 USB Port 组(Group)可进行连接。鼠标选中该组 Group,右键点 击 connect 连接后,该组别的所有 USB 端口即被连接至该主机,如同本地 USB 端口一样进行使用。该组颜 色由灰变成红色,表示该组已经完成连接;组的颜色橙为色代表该组正在被其他主机(或云机)使用;

Mass St	orage / SCSI / Bulk (Zip) (0	8/06/50) -
	Connect	ash-drive 8G-0781:556b)-(nolinked:IP:none)
Mas	Disconnect	/06/50)
🖻 🖋 USB Po	Reboot Device	ash-drive 8G-0781:556b)-(nolinked:IP:none) /06/50)
🖶 🌍 Group 5 Li	Web UI	
🗄 🛷 USB Pc		ash-drive 8G-0781:556b)-(linked:IP:192.168.0.
🚽 🖉 Mas	Add Device	/06/50)
🖻 🥒 USB Pc	Remove Device	ash-drive 8G-0781:556b)-(linked:IP:192.168.0.
Masses		J/06/50)

显示的 USB Port 由绿色变成蓝色,表示此 USB 端口和设备已经连接到本地,可以正常使用 USB 设备。可从 设备管理器查看到相应的 USB 设备。

5 断开

需要释放所连接的组时,断开选中的组即可。此时,该组即可被其他主机使用,或重新配置该组别中的 USB 端口的组。

选中被当前主机连接的组,右键可断开连接。

Mass Stora	je / SCSI / Bulk (Zip)	(08/06/50)
🚊 🜍 Group 3 Linked 10	2 168 0 23	
🖃 🥒 USB Port :	Connect	trive 8G-0781:556b)-(linked:IP:192.168.0.2)
🛛 🕈 Mass S	Disconnect	i/50)
🖻 🥒 USB Port (Palaat Davias	trive 8G-0781:556b)-(linked:IP:192.168.0.2
Mass S	Reboot Device	/50)
🖻 🥒 USB Port 🕈	Web UI	trive 8G-0781:556b)-(linked:IP:192.168.0.2
Mass S		i/50)
🖻 🛷 USB Port :	Add Device	-drive 8G-0781:556b)-(linked:IP:192.168.0.:
Mass S	Remove Device	i/50)
🖃 🥒 USB Port 📖		drive 8G-0781:556b)-(linked:IP:192.168.0.:
🗸 Mass Stora	ge / SCSI / Bulk (Zip)	(08/06/50)

6 辅助功能

在驱动管理客户端, Setup→Preference 设置页面:

(1)可以设置"Disconnect group..."辅助功能,该功能可使此主机连接占用的组(Group)在没有 USB 外设 连接的情况下,自动释放对该组的占用,以方便其他主机用户使用空闲的 USB 端口资源。

(2)可以设置"Showing IP Address..."辅助功能,该功能可使组连接的主机 IP 地址显示为设置的友好 IP 地址,而不是实际的连接 IP。此功能主要是主机通过 VPN 拨号动态获取虚拟 IP 地址,或主机 DHCP 动态获取 IP 地址的情况,方便用户清晰的标示实际连接使用 USB 端口组的物理主机。



7 安全功能设置

访问控制:在 NetworkUSB 服务器 web 页面,USB Ports—USB Ports Access Control 配置页面,可以对整台设 备或 USB 端口(组)进行安全访问限制。添加允许接受的 IP,或者拒绝接受的 IP。此功能可设置该台设备 或 Group 只允许特定的 IP 或 IP 段地址主机连接使用。

RFS	Network USB/16 Pro Configuration and Management
	USB Port Configration
Home	USB Ports Group Settings
Configuration Network System	 ✓ USB Ports Access Control □ Only listed IP will be accepted if Checked. Apply
User Applications	Device Authority Address: add
USB HUB Support	USB Group 1 Authority
Management View Connections Disconnect Group Smart Plug USB	Address: add USB Group 2 Authority add
Administration Backup/Restore Update Firmware System Information System Tools System Log	USB Group 3 Authority Address:
Reboot	USB Group 5 Authority Address: add USB Group 6 Authority

数据安全传输设置: 支持 SSL 加密传输, VPN 传输。

进到 WEB-Configuration-Network -network service setting,勾选 SSL; Apply –reboot device;然后在 Utility 工具 add device 必须也要勾选 SSL;



Address1 192.168.0.250

Address2

RF5	Network USB/16 Pro Configu	ration	and Manag	jemen	t
	Network Configuration				
Home	► IP Settings				
Configuration Network System User Applications USB Ports USB HUB Support Management View Connections Disconnect Group Smart Plug USB Administration Backup/Restore	 Network Services Settings Network USB Services Enable Network Management Protocol (SNMP) Enable Secure Shell Server (SSH) Enable Telnet Server Enable Web Server (HTTP) Enable UDP Discovery Function Default discover in LAN2 Transport Layer Security(TLS/SSL) 	TCP Port: UDP Port: TCP Port: TCP Port: TCP Port:	3240 161 22 23 80		
Update Firmware System Information System Tools System Log Reboot	Apply Advanced Network Settings VPN Settings				
RFS NetworkUSB Utility Setup Command Help	/		_		×
🐌 Device List			Device Informat	ion	
Add Device		×	RFS Network L	JSB 16[19	2.1 ^

送到 WEB-Configuration-Network -network service setting, VPN Setting 配置 VPN 参数

Add Device

Port 3240

SSL Socket

Cancel

Device Information

SerialId:90260031 Contact:None

Location:None Address1:192.168.0.250

Address2:

Description:Remote USB Se

CFS	Network USB/16 Pro Configuration and Management
	Network Configuration
Home	► IP Settings
Configuration	Network Services Settings
System	Advanced Network Settings
User	▼ VPN Settings
Applications USB Ports USB HUB Support	● NO VPN ○ PPTP ○ OPEN VPN VPN Status: not connected
Management View Connections Disconnect Group Smart Plug USB	VPN Settings Username
Administration Backup/Restore Update Firmware System Information System Tools System Log Reboot	Password Settings File 浏览 Apply
Logout	

8 外部 Hub 模式外设支持与设定

此功能为特殊使用功能,请不要设置。若要设置此功能选项,请参考用户手册,或联系技术支持。

USB HUB Suppor	t	
▼ USB HUB Support S	ettings	
Hub Support Mode Select		
Checked is Hub Mode		
Apply		
Hub Mode		
USB Port 1 Hub Mode	None Hub Mode 🔻	
USB Port 2 Hub Mode	None Hub Mode 🔻	

9 智能 Android 设备高级功能(仅 Pro 系列、NEO 系列支持)

在 Network USB 服务器 web 页面,USB Ports→USB Function Setting 配置页面:

(1) 可以设置"Accelerate fastboot protocol"选项。

表示开启 Fastboot 协议速度优化高级功能。此功能可以使 Fastboot 传输性能达到极致。此功能主要针对 Android 系列智能设备的 Fastboot 刷机等操作,大幅提升效率。

(2) 可以设置"Accelerate android debug bridge protocol"选项。

表示开启 ADB 速度优化高级功能。此功能可使 ADB push/pull 等传输文件的速度性能达到极致。

(3) 可以设置"Accelerate upload protocol"选项。

表示开启高通 DMSS 下载协议的速度优化。此功能可使基于高通的 Android 智能设备的下载刷机速度 性能达到极致。

▼ Usb Function Setting

Accelerate fastboot protocol.

Accelerate android debug bridge protocol.

Accelerate upload protocol.

For Android Debug Bridge Usb Transfer accelerate. Or DBAdapter Interface Transfer accelerate. If you don't use This device, Selected "No Accelerate". * Changes will take effect rebooted.

Apply

注意: 勾选/清空, 必须重新启动设备才能生效。

11 其他

为了确保 USB 稳定连接并通信,请确保网络连接可靠稳定;

NetworkUSB 部署在局域网/私网,应用程序运行在华为云、阿里云、腾讯云等公有云的场景,可通过 VPN 或端口映射等方式实现互通;具体配置部署请联系 IT 部门或与我们取得联系。 跨网段使用,需添加静态路由。



Network USB/16 Pro Configuration and Management

Home
Configuration Network
System
User

Applications USB Ports USB HUB Support

Management View Connections Disconnect Group Smart Plug USB

Administration Backup/Restore Update Firmware System Information System Log Reboot

Logout

System Tools					
▶ Ping					
► traceroute					
▶ Date					
▼ StaticR	▼ StaticRoute				
DestNet	Netma	k Gateway	Device	Delete	
DestNet	:				
Netmask	:				
Gateway					
Devices	eth0			~	
	Route	Add			