

**Inspired Innovation** 

# **Spirent TestCenter**

连接机箱检查版本和 License 确认机箱能正常工作





# 2 添加要连接的机箱的地址:



3进行	端口占用 elect Ports		5
) 😂 🖻	Add Chassis Show Ports: All Port	ts •	
est Co	Connection Name	Model	Status
🗀 📘	<b>⊡</b>	SPT-2000	Connected
	Slot 1	10/100/1000 DUAL MEDIA, 4	
	Port 1		To Be Reserved
	Port 2		To Be Reserved
	Port 3		Available
	Port 4		Available
4a 核	对 STC application 版本版	本信息	
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lest Conf	iguration Index		
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···· [	All Traffic Generators		
	All Stream Blocks	(10) 122 10 192 1	
~ 10	Spirent TestCenter		
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:tCenter			
s	Spiront ToolContor Marsion 2 20 2	926 0000	
:s	Spirent restcenter version 2.30.2	328.0000	
fic Gene	Copyright © 2008 Spirent Communica	ations. All rights reserved.	
am Block	Installed Plugins:		
fic Analy	Plugin Name	Туре	/ersion
	CorePlugin	UI 2	.30.2926.0000
t//1/1	Framework.UI.SequencerPlugin	UI 2	.30.2926.0000
Hosts	Content.Mcast.Core.UI	UI 2	
Traffic	Content. TrafficTests. QoS. Fwd. UI	UI 2	.30.2926.0000
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s	Content Learning.Arp.UI		30,2926,0000
	Content. Traffic. Capture. UI	UI 2	.30.2926.0000
	Content.Access.Core.UI	UI 2	.30.2926.0000
	Content.Access.Pppox.UI	UI 2	.30.2926.0000
· · ·	Content.Access.L2tp.UI		

#### 核对 STC 机箱的 firmware 版本等信息 4b Tools Actions Help View i 🚽 Options... Apply 🛛 🚮 Configurat Traffic Groups... 눨 Spirent iMIX Editor... 📺 All hernet Gene All BŇ Service Class Builder... ort //1/1 1 - 👬 All - 🔏 All Licensing Management... Media Type AL Equipment Information... Opper 🗄 🗐 Pot Firmware Management... ė... 🔘 🔽 Auto Ne P Reporter 🔵 10Mbps Technologies... 🔵 100МБр Reorder Ports...

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🤈 Reboot							
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	Module Status	Status Change	Sync Status	Model Type	Module Description	Firmware Version	Hardware Version	Serial Numbe
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#### 4c 核对 STC 接口卡的 firmware 版本等信息

## 5 核对 STC 的 license 信息

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2 PACKET GENERATOR AND ANALYZER BASE PACKAGE_A STP/RSTP/PVST+ BASE PACKAGE_A	3 2008.12 2008.12	4 04-feb-2009 04-feb-2009

6将端口设置为自环状态	
File View Tools Actions Help	
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Pall Traffic Generators	Port //1/1
All Stream Blocks	MTU and Flow Control
	MTU: 1500 🗢
Port //1/1	Flow Control
	Data Path Mode
Traffic Analyzer	Normal
Capture	2- Diagnostic Loopback

7 生成简单数据流。

File View Tools Actions Help 🗋 😂 🛃 | 🎇 | 👗 🗈 🏝 🦄 Chassis 🗸 🊵 Apply | 🚯 🖓 🖾 👫 👫 🥵 🐔 🥌 🏢 Te Test Configuration 🖃 🗁 🗁 Spirent TestCenter 👫 Add... 🔻 🗙 Delete 🛛 🔛 Edit... 🗐 All Ports 88 Add Bound Stream Block(s)... 🔯 All Hosts Add Raw Stream Block... 👺 All Traffic Generators Scheduling mode All Stream Blocks Port based 📲 All Traffic Analyzers V 🔘 Load per streamblock 🚊 🛄 Ports 🖮 🥥 Port //1/1 Continuous Duration mode: v 🔄 Hosts < Praffic Generator State Active Name Index Conti 📲 Traffic Analyzer 🏹 Capture 📷 Settings

Frame size (Bytes)(Wit	h CRC and signature field)	- Streamblock load option	· · · · ·
<ul> <li>Fixed</li> </ul>	Size: 128	Load mode:	Fixed 🗸
<ul> <li>Increment</li> <li>Decrement</li> <li>Random</li> <li>Auto</li> <li>iMIX</li> </ul>	Step: 1	<ul> <li>Percent (%)</li> <li>Frames/sec (fps)</li> <li>Inter-Burst Gap (bytes)</li> <li>Inter-Burst Gap (msec)</li> <li>Inter-Burst Gap (nsec)</li> <li>bps</li> </ul>	10 84459 1344 1344 1344 1344 100000000
Settings		Kbps     Mbps     L2 Rate (bps)     Packet     Pavload fill constant (bev) :	100000 100 100000000

### 8发送数据,进行核对。

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Traffic Generator Traffic Analyzer 	2 State Active Name Index Controlled By Traffic Pa
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看见如下图的端口收发数据统计,则 STC 工作基本正常。

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Basic Counters Errors Triggers Protocols	Undersize/Oversize/Jumbo
Port Name Total Tx Count Total Rx Count (Frames) (Frames)	unt Total Tx Rate (bps) Total Rx Rate (bps) Generator Count
Port //1/1 6, 303, 083 6, 373, 487	172, 972, 320 172, 973, 416 6, 303, 083 🗸 🗸
K	
Results Validation Errors   Log - 18 messages	

常见问题:

1 点击 Apply 后,在使用 Demo License 时如果出现提示 License 错误告警。一般原因为控制台 PC 的时钟已经或曾经超过 Demo License 允许的时间。

_00	- 90	messages			ч×
7	Filte	r 🔍 Find 🝙 Copy   🔓	🛐 Save 📔 🔛 Select Protocol Events		
1		Time	Description	Category	^
	8	2-22-2009 16:58:20 .9	ResultDataSetSubscribeCommand 2 failed with error: There were 1 validation error(s); aborting apply. License check: Chassis 192.168.1.100 missing valid "0001_PACKET_GEN_ANALYZER_BPK_A" license	Other	

Results | Validation Errors | Log - 90 messages