

# Premier 3024FG User Guide

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# 1

가

## 1.1.

가 Premier 3024FG 2

3024FG 가

가

- (Local Area Networks, LAN) (Metro Area Network, MAN)
- , 가
- 
- 
- Simple Network Management Protocol (SNMP)



**Notice** Premier 3024FG

가

## 1.2.

< 1> < 2> 가

1.

Screen displays	■		
	■	CLI	
<b>Screen displays bold</b>	■	가	
[Key]	■		[Enter] [Ctrl]
	■		[Ctrl] + [z]
		“+”	
	■		
	■		가

2.



**Notice** ■ , , Tip



**Warning** ■ 가 , ,

## 1.3.

Premier 3024FG

가

---

*Hardware Installation Guide*

■

■

---

*User Guide*

■

■

■

(Trouble shooting)

---



**Notice**

Premier 3024FG

(<http://www.locusnet.com>)

---



# 2

## Premier 3024FG

가 Premier 3024FG 2

- 
- 
- 가
- Premier 3024FG
- 
- SNMP
- 
-

## 2.1.

가

- 1) , 가
- 2) 가 가 (sub-command)
  - a. 가 가
  - b. , ,
- 3) , [Return]



### Notice

"% Command incomplete."

가 . 가

---

```
Switch# show 
% Command incomplete.
```

```
Switch#
```

---

## (Command Syntax Helper)

Premier 3024FG CLI

```
Switch# show ?  
 . Premier 3024FG 가
```

- - 가

- - 가

help

---

### Switch#help

Help may be requested at any point in a command by entering a question mark '?'. If nothing matches, the help list will be empty and you must backup until entering a '?' shows the available options.

Two styles of help are provided:

1. Full help is available when you are ready to enter a command argument (e.g. 'show ?') and describes each possible argument.
2. Partial help is provided when an abbreviated argument is entered and you want to know what arguments match the input (e.g. 'show me?'.)

Switch#

---

```
Switch# show ?  
 . show 가  
"Switch# show"  
  ? 가
```







**Notice**

Premier 3024FG 가

Ambiguous command.”

가

Prefix 가

가

---

```
Switch# show s 
% Ambiguous command.
```

```
Switch# show s 
snmp                snmp statistic
startup-config      Configuration in NV memory
stp                 vlan stp status
```

```
Switch# show s
```

---

가

### 3.

<>:	Angle brackets	<ul style="list-style-type: none"> <li>■ <code>&lt;1-99&gt;</code> 가</li> <li>■ <code>access-list &lt;1-99&gt; {deny permit} address</code> IP access control list      &lt;1-99&gt;</li> </ul>
{ }:	Braces	<ul style="list-style-type: none"> <li>■ <code>{rip/ospf}</code> 가</li> <li>■ <code>router {rip/ospf}</code> RIP      OSPF</li> </ul>
[]:	Square brackets	<ul style="list-style-type: none"> <li>■ <code>[iftype]</code> 가</li> <li>■ <code>show port [iftype]</code></li> </ul>
:	Vertical bar	<ul style="list-style-type: none"> <li>■ <code> </code></li> </ul>
<i>Italic</i>		<ul style="list-style-type: none"> <li>■ <i>Italic</i></li> </ul>
<b>Bold</b>		<ul style="list-style-type: none"> <li>■ <b>Bold</b> 가</li> </ul>
A.B.C.D		<ul style="list-style-type: none"> <li>■ IP</li> </ul>
A.B.C.D/M		<ul style="list-style-type: none"> <li>■ IP prefix      ( .192.168.0.0/24)</li> </ul>

4.

[Ctrl] + [A]	■					
[Ctrl] + [E]	■					
[Ctrl] + [B]	■					
[Ctrl] + [F]	■					
[Ctrl] + [D]	■					
Backspace	■					
[Ctrl] + [K]	■					
[Ctrl] + [U]	■					
[Ctrl] + [Z]	■			privileged		
Tab	■			[tab]	prompt	prefix
	■	가	가			
[Ctrl] + [P]	■				20	
[Ctrl] + [N]	■					
?	■	prompt	가			
	■		'?'	,		
	■			'?'		prefix
	■	가				
Return	■	-- More --	Return		line	
Q	■	Spacebar		가	, Q	
		prompt				

2.2.

Premier 3024FG

< 5>

가 .

5.

User	Switch >	■	
Privileged	Switch #	■	Show debug
Config	Switch (config) #	■	
Line	Switch(config-line-console)# Switch(config-line-vty1)#	■	vty(Telnet)



**Notice**

Premier 3024FG

가 'Switch'

Premier 3024FG

, 가

가

. < 6>

6.

enable		■	User Privileged
		■	Privileged
disable		■	Privileged User
configure terminal		■	Privileged Config
		■	
line {console vty <1-4> [<1-4>]}		■	Config Line
exit		■	
[CTRL] + [Z] end		■	Privileged
		■	User

## 2.3. Premier 3024FG 가

Premier 3024FG OS  
image 가 ,  
(startup-config)

## 2.4.

Premier 3024FG 가  
(*Out-of-band management*).

telnet telnet  
telnet (In-  
*band management*).

Premier 3024FG

- CLI
- TCP/IP Telnet CLI
- SNMP Network Manager

Premier 3024FG

- 1
- 4 telnet

### 2.4.1.

CLI RJ-45 가  
( terminal emulation 가 ) 9 , RS-232 DB9



**Notice**

Premier 3024FG

가

## 2.4.2. Telnet

TCP/IP telnet 가 Premier  
3024FG . Telnet , telnet  
IP 가 .

```
telnet [<ipaddress> | <hostname>] {<port_number>}
```

Telnet 가 , telnet  
User 가 . Telnet <2.5.

```
> . IP config  
Switch(config)#ip address vlan id ipaddress mask  
Switch(config)#ip default-gateway ipaddress mask
```

telnet  
<2.10. ACL(Access Control List)>

## 2.4.3. SNMP Network Manager

Simple Network Management Protocol (SNMP) (Network  
Manager) Premier 3024FG .



**Notice**

SNMP

가

<2.9. SNMP>

## 2.5.

telnet

. Premier 3024FG

2

- Enable
  - Privileged
- - telnet

< 7>

7.

---

enable password <i>password</i>	■ Privileged	Config
no enable password	■ Privileged	Config
password <i>password</i>	■ Telnet	Line
no password	■ Telnet	Line
service password- encryption	■ encryption mode	Config
no service password- encryption	■ encryption mode	Config

---

### Privileged

---

```
Switch# configure terminal
Switch(config)# enable password lns
Switch(config)# end
Switch# show running-config
!
enable password 0 lns
!
Switch#
```

---

## User

---

```
Switch# configure terminal
Switch(config)# line console
Switch(config-line-console)#
Switch(config-line-console)# password lns
Switch(config-line-console)# end
Switch# show running-config
!
line console
  password 0 lns
Switch#
```

---

## Telnet User

---

```
Switch# configure terminal
Switch(config)# line vty 1 4
Switch(config-line-vty1-4)# password lns
Switch(config-line-vty1-4)# end
Switch# show running-config
!
line vty 1
  password 0 lns
  session-timeout 0
!
line vty 2
  password 0 lns
!
line vty 3
  password 0 lns
!
line vty 4
  password 0 lns
Switch#
```

---

## encryption

```
show running-config
Premier 3024FG encryption
```



---

```

Switch# configure terminal
Switch(config)# service password-encryption
Switch(config)# end
Switch# show running-config
!
service password-encryption
enable password 7 gl9BNAp2tbpBA
!
line console
password 7 odaIfqzS/Bnzs
!
line vty 1
password 7 HweA5/eWSxhew
session-timeout 0
!
line vty 2
password 7 Wo6NEYlPjtiJ.
Switch#

```

---

## 2.6. Hostname

Hostname /Telnet  
hostname Premier 3024FG  
default hostname 가 .

### 8. Hostname

---

hostname <i>string</i>	■ Hostname	Config
no hostname	■ Hostname default	Config

---

Hostname .

---

```
Switch# configure terminal
Switch(config)# hostname SWITCHG
SWITCHG(config)# end
SWITCHG#
```

```
SWITCHG# configure terminal
SWITCHG(config)# no hostname
Switch(config)# end
Switch#
```

---

## 2.7. /Telnet

Telnet

Telnet

### 9. /Telnet

---

length <0-512>	■ Screen Line	(0: no pause)	Line
no length	■ Screen Line	Default (25)	Line
Width <10-512>	■ Screen Width		Line
no width	■ Screen Width	Default (80)	Line
session-timeout <0-35791>	■ session timeout		Line
no session-timeout	■ Session timeout	default (30 )	Line
access-class access-list number	■ Telnet login Access List		Line
no access-class	■ Access list number	<1-99> , standard IP access list	
	■ Telnet login	Access List	Line

---

## 2.8.

/Telnet

### 10.

---

terminal length <0-512>	■ Screen Line ■ 0: no pause			Privileged
no terminal length	■ Screen Line	Default	(25)	Privileged
terminal width <10-512>	■ Screen Width			Privileged
no terminal width	■ Screen Width	Default	(80)	Privileged

---

## 2.9. SNMP(Simple Network Management Protocol)

SNMP Network Manager Management Information Base(MIB)  
 . Network Manager . SNMP  
 manager Premier 4124XG .  
 SNMP IP .

snmp-server contact <i>string</i>	System contact	Config
no snmp-server contact	System contact	Config
snmp-server location <i>string</i>	System location	Config
no snmp-server location	System location	Config
snmp-server community <i>string</i> [ro rw] [ <i>access-list number</i> ]	SNMP community <i>access-list number</i> : standard IP access-list number<1-99> <i>ro</i> : read only <i>rw</i> : read write	Config
no snmp-server community <i>string</i>	SNMP Community	Config
snmp-server [enable disable] traps	SNMP Trap Trap-Host	Config
snmp-server host <i>A.B.C.D string</i>	SNMP Trap Host	Config
No snmp-server host <i>A.B.C.D</i>	SNMP Trap Host	Config
show snmp	SNMP	Privileged

## 2.10. ACL(Access Control List)

(Access Control List)

SNMP access-list Premier 3024FG Telnet(vty)  
 <100-199> IP 가 IP 가 <1-99>  
 . Premier 3024FG IP

### 11.

access-list <1-99> {deny permit} address	<ul style="list-style-type: none"> <li>■ IP</li> <li>■ Source address/network</li> <li>■ address ::= {any   A.B.C.D A.B.C.D   host A.B.C.D}</li> </ul>	Config
no access-list <1-199>	<ul style="list-style-type: none"> <li>■</li> </ul>	Config

### 2.10.1.

- 
- 
- 'permit any' 'deny any'
- 가
- , 가

## 2.10.2. IP

---

```
Switch# configure terminal
Switch(config)# access-list 1 permit any
Switch(config)# end
Switch# show running-config
!
access-list 1 permit any
!
Switch#
```

---

---

```
Switch# configure terminal
Switch(config)# access-list 1 deny any
Switch(config)# end
Switch# show running-config
!
access-list 1 deny any
!
Switch#
```

---

---

```
Switch# configure terminal
Switch(config)# access-list 1 permit host 192.168.0.3
Switch(config)# end
Switch# show running-config
!
access-list 1 permit host 192.168.0.3
!
Switch#
```

---

---

```

Switch# configure terminal
Switch(config)# access-list 1 permit 192.168.0.1 255.255.255.0
Switch(config)# end
Switch# show running-config
!
access-list 1 permit 192.168.0.0 255.255.255.0
!
Switch#

```

---



---

```

Switch# configure terminal
Switch(config)# access-list 1 deny 192.168.0.1 255.255.255.0
Switch(config)# access-list 1 permit any
Switch(config)# end
Switch# show running-config
!
access-list 1 deny 192.168.0.0 255.255.255.0
access-list 1 permit any
!
Switch#

```

---

### 2.10.3. Telnet

< 12> telnet .

#### 12. Telnet

---

access-class	■	vty	Config
[access-list number]	■	access-list number : , <1-99>	IP 가

---

no access-class	■	vty	Config
[access-list number]			

---

192.168.0.0/24 , telnet







---

```
Switch# show port status
```

```
-----  
Port    Duplex    Speed    PVID  AdminStatus  Auto  
-----  
01      Full      100M     1     NoShutdown   Auto  
02      Half      10M      1     NoShutdown   Auto  
03      Half      10M      1     NoShutdown   Auto  
04      Half      10M      1     NoShutdown   Auto  
05      Half      10M      1     NoShutdown   Auto  
06      Half      10M      1     NoShutdown   Auto  
07      Full      100M     1     NoShutdown   Auto  
08      Half      10M      1     NoShutdown   Auto  
09      Half      10M      1     NoShutdown   Auto  
10      Half      10M      1     NoShutdown   Auto  
11      Half      10M      1     NoShutdown   Auto  
12      Half      10M      1     NoShutdown   Auto  
13      Full      10M      1     NoShutdown   Auto  
14      Half      10M      1     NoShutdown   Auto  
15      Half      10M      1     NoShutdown   Auto  
16      Half      10M      1     NoShutdown   Auto  
17      Half      10M      1     NoShutdown   Auto  
18      Half      10M      1     NoShutdown   Auto  
19      Half      10M      1     NoShutdown   Auto  
20      Half      10M      1     NoShutdown   Auto  
21      Half      10M      1     NoShutdown   Auto  
22      Half      10M      1     NoShutdown   Auto  
23      Half      10M      1     NoShutdown   Auto  
24      Half      10M      1     NoShutdown   Auto  
25      Full      100M     1     NoShutdown   Auto  
26      Full      100M     1     NoShutdown   Auto
```

```
Switch#
```

---

, show port VALUE status

---

```
Switch# show port 1 status
```

```
***** Port[1] Status is as following *****
```

```
VLAN Name(ID) = DEFAULT(1)
```

```
Native Vid = 1
```

```
port Type = access mode..
```

```
Duplex/Speed Mode: Auto
```

```
Admin Enable
```

---

---

PHYSICAL LINK: UP

Switch#

---

## 3.2.

(physical port)

< 14>

14.

---

Shutdown .LINE	■	enable	config
No shutdown .LINE	■	disable	config
port monitor <1-26> .LINE	■	Port-monitor	config
No port monitor	■	Port-monitor	config

---

### Shutdown / No Shutdown

/ ..  
shutdown show port status

---

```
Switch(config)# port shutdown 2 3 4
Port[2] has been shutdown..
Port[3] has been shutdown..
Port[4] has been shutdown..

Switch(config)# no port shutdown 2 3 4
Port[2] has been enabled..
Port[3] has been enabled..
Port[4] has been enabled..
```

---

## Monitor / No monitor

Port mirroring (source port) 가 . Monitor  
 (monitor port) mirroring  
 RMON probe .  
 2,3, 4 1 mirroring .

---

```
Switch(config)# port monitor 1 2 3 4
Switch(config)#
```

```
Switch# show port monitor
```

Monitor Port	Port Being Monitored
Port01	P2 P3 P4

```
Switch(config)# no port monitor
```

```
Switch# show port monitor
```

Monitor Port	Port Being Monitored
Nothing	

---

## 3.3. 2

2 2 (IEEE 802.3 Bridged VLAN)  
 Premier 3024FG 가 .  
 2 2

### 3.3.1. VLAN Trunking

(trunk) ( , ) point-to-point  
 VLAN

Premier 3024FG 802.1Q trunking encapsulation .

### 3.3.2. 2

Premier 3024FG 가 2 access , multi  
 , trunk 가 . access . Multi  
 trunk 가 access .

#### 15. Premier 3024FG 가 2

port VALUE mode access	<ul style="list-style-type: none"> <li>■ Access mode. (default mode)</li> <li>■ Native VLAN 가</li> </ul>
port VALUE mode multi	<ul style="list-style-type: none"> <li>■ VLAN mode</li> </ul>
port VALUE mode trunk	<ul style="list-style-type: none"> <li>■ Trunking mode.</li> <li>■ native VLAN tagged VLAN 가</li> </ul>

### 2

Premier 3024FG 가 .

## 16.2

---

Port mode	access
Native vlan	VLAN 1

---

### 3.3.3. Access

```
2 access
```

## 17. Access

---

port VALUE mode access	■ Access mode	config
port VALUE vlan access <vlanid>	■ Native VLAN ■ <i>vlanid</i> : 1 – 4000	config
no port VALUE vlan access	■ Native VLAN default(VLAN 1)	config

---

```
2 access
```

---

```
Switch# configure terminal
Switch(config)# port 2 mode access ! access port set

Port set to access mode!!!

Switch(config)# port 2 vlan access 3
Vlan 3[VLAN0003] created...
port[2] has been set to VLAN ID[3]

Switch(config)# end
Switch#
```

---

privileged show

---

Switch# show port 2 stat

\*\*\*\*\* Port[2] Status is as following \*\*\*\*\*

VLAN Name(ID) = VLAN0003(3)  
Native Vid = 3  
port Type = access mode..  
Duplex/Speed Mode: Auto  
Admin Enable  
PHYSICAL LINK: DOWN

Switch# sh vl all

M:multi mode port/ T:trunk port/ N:native

\*\*\*\*\*

VLAN		Port			
[ ID ]	[ Name ]	1.....8	9.....16	17.....24	25 26
[ 1 ]	[DEFAULT ]	o.o00000	o000000	o000000	o o
[ 3 ]	[VLAN0003]	.o.....	.....	.....	. .

% Total 2 valid vlan entries exist.

Switch#

---

### 3.3.4. Multi-mode

2

18.

---

port VALUE mode multi	■ Multi mode	Config
port VALUE vlan multi add	■ 가	VLAN config
<2-4000> [<2-4000> ...]	■ 30 VLAN ID	

---

```
port VALUE vlan multi remove ■ VLAN config
<2-4000>
```

```
VLAN 가
VLAN 가 Premier 3024FG
2 .
```

```
Switch# configure terminal
Switch(config)# port 2 mode multi ! multi mode

Port set to multi mode...
Switch(config)# port 2 vlan multi add 2 3 ! VLAN ID
Switch(config)# end
Switch#
```

```
privileged show .
```

```
Switch# show port 2 status
```


```
***** Port[2] Status is as following *****
```

```
VLAN Name(ID) = DEFAULT(1)
Native Vid = 4001
port Type = multi mode..
Duplex/Speed Mode: Auto
Admin Enable
PHYSICAL LINK: DOWN
```

```
Switch# show vlan all
```

```
*****
[vlanID] [ Name ] 1 2 3 4 5 6 7 8
*****
[ 1] [DEFAULT ] . M o o o o o o
[ 2] [VLAN0002] o M . . . . .
[ 3] [VLAN0003] . M . . . . .
[ 4] [VLAN0004] . . . . .
[ 5] [VLAN0005] . . . . .
Switch#
```

---

 **Notice** - show port status Native VID 가 4001  
2 가 .

---



---

가 .

---

### 3.3.5. Trunk port

2

#### 19. Trunk port

---

port VALUE mode trunk	■ Trunk mode		Config
port VALUE vlan trunk add <vlanid> [<vlanid>]	■ Trunk port	tagged VLAN	Config
port VALUE vlan trunk native <vlanid>	■ Trunk port	native VLAN	config
port VALUE vlan trunk remove <vlanid> [<vlanid>]	■ Trunk port	tagged VLAN	config

---

#### Trunk            tagged VLAN

2

3    VLAN 2    VLAN 4

---

```
Switch# configure terminal
Switch(config)# port 3 mode trunk

Port 3 set to trunk mode...
Switch(config)# port 3 trunk vlan trunk add 2 4
Switch(config)# end
Switch# show vlan all
*****
[vlanID] [ Name ] 1 2 3 4 5 6 7 8
*****
[ 1] [DEFAULT ] . M N o o o o o
[ 2] [VLAN0002] o M T . . . . .
[ 3] [VLAN0003] . M . . . . .
[ 4] [VLAN0004] . . T . . . . .
[ 5] [VLAN0005] . . . . .
Switch#
```

---

## Trunk native VLAN

native VLAN VLAN 1(default VLAN) . Default VLAN  
native .

---

```
Switch# configure terminal
Switch(config)# port 3 vlan trunk native 3
Port 3 has been set to VLAN ID[3]
Switch(config)# end
Switch# show vlan all
*****
[vlanID] [ Name ] 1 2 3 4 5 6 7 8
*****
[ 1] [DEFAULT ] . M . o o o o o
[ 2] [VLAN0002] o M T . . . . .
[ 3] [VLAN0003] . M N . . . . .
[ 4] [VLAN0004] . . T . . . . .
[ 5] [VLAN0005] . . . . . . .
Switch#
```

---

## Trunk tagged VLAN 가

VLAN 5 trunk tagged VLAN , VLAN 4

---

```
Switch# configure terminal
Switch(config)# port 3 vlan trunk add 5
Switch(config)# port 3 vlan trunk remove 4
Switch(config)# end
Switch# show vlan all
*****
[vlanID] [ Name ] 1 2 3 4 5 6 7 8
*****
[ 1] [DEFAULT ] . M . o o o o o
[ 2] [VLAN0002] o M T . . . . .
[ 3] [VLAN0003] . M N . . . . .
[ 4] [VLAN0004] . . . . . . .
[ 5] [VLAN0005] . . T . . . . .
Switch#
```

---

## 3.4. Port group

### 3.4.1. Port group

Port group

```
. Premier 3024FG          port group          2          .
```

### 3.4.2. (Load balancing)

```
Premier
가 . port group          가 ,
port group          . 가 ,
Premier
,          trunking          link-aggregation(IEEE 802.3ad)
Premier 3024FG          2          port-group
group mode          destination MAC, source MAC, dest & src MAC
port-group member port          mapping          mode
```

### 3.4.3. Port group

Port group

20.

port group mode {DA SA ALL}	■ Config	Config
port group <1-6> count VALUE port VALUE	■	config
no port-group <1-6>	■ port group	Config
Port group 0	■ port 25, 26	config
no port group 0	■ port 25, 26	config
show port-group	■ Port group	Privileged

DA mode , 2, 4, 8  
 가 .  
 가 , port 가  
 , 가  
 count value\*X + 1 (X >= 0 ) ,  
 id 1 4 , 가 4\*X+1  
 가 , 1,5,9,13 ... 가 9 ,  
 "port group 1 count 4 port 9" , id 1 9,10,11,12 가  
 . 25 26  
 , id 0 가 "port group 0" "no port group 0"  
 access  
 mode ,

### Port group

```
Switch# configure terminal
Switch(config)# port group 1 count 4 port 9
Switch(config)# end
```

```
Switch# show port group
```

```

=====
[GROUP ID]      [Port group Member]
=====
      1          P9 P10 P11 P12

```

```

port group mode: DA
Switch#

```

```

Switch# configure terminal
Switch(config)# no port group 1
Switch(config)# end
Switch# show port group
=====
[GROUP ID]      [Port group Member]
=====

```

	mode	vlan		
	id	vlan		.
port group VALUE mode {access trunk}	■	Config		Config
port group VALUE vlan access <1-4000>	■	id access vlan		config
port group VALUE vlan trunk add .LINE	■	port group id trunk vlan member list		Config
port group VALUE vlan trunk remove .LINE	■	port group id trunk vlan member list		config
port group VALUE vlan trunk remove all	■	port group id vlan member		config
port group VALUE vlan trunk native <1-4000>	■	Port group id 가 trunk mode native vlan		config

## 3.5. Port Filtering

3024FG Netbios, Dhcp-Reply, Dhcp-Request DHCP-Reply  
DHCP-Request 가 .

### 21.

filter dhcp reply	■ Config	DHCP reply	Config
filter dhcp request	■ Config	DHCP request	config
filter netbios	■ Config	netbios	Config
show filter	■		Privileged
No filter dhcp reply	■ Config	DHCP reply	Config
No filter dhcp request	■ Config	DHCP request	config
No filter netbios	■ Config	netbios	Config
filter port {set add del} .LINE	■	, 가,	config
No filter port	■		config
filter port all	■		config

netbios dhcp reply  
2,3,4,5 .

```
Switch# configure terminal
Switch(config)# filter netbios
Switch(config)# filter dhcp reply
Switch(config)# filter port set 2 3 4 5
Switch(config)# end
Switch# show filter
NETBIOS DHCP REPLY filtering has been enabled.
```

---

Enabled Port List: 2 3 4 5

```
Switch# configure terminal
Switch(config)# no filter netbios
Switch(config)# filter port del 4
Switch(config)# end
Switch# show filter
DHCP REPLY filtering has been enabled.
Enabled Port List: 2 3 5
```

---

## 3.6. Mac Counting

3024 mac counting mac 1~4

### 22. mac counting

---

mac count <1-4> uplink .LINE	■ Config	mac counting	Config
no mac count	■ Config	mac counting	config
no mac count port VALUE	■ Config	mac counting	Config
mac count <1-4> port VALUE	■	mac counting	config
show mac filter	■ mac counting		Privileged

---

mac counting "mac count <1-4> uplink .LINE"  
count 1~4 , uplink mac counting  
uplink mac count  
"mac count <1-4> port VALUE" mac count  
mac counting "no mac



count port VALUE" , mac counting "no mac count"

## 3.7. Stacking

IP slave switch  
3024 master switch 가 4 slave  
switch

### 23. stacking

stack role {master slave}	■ Config	stack role	Config
no stack	■ Stack		Config
stack member add H.H.H	■ Master	slave mac	Config
stack member del H.H.H	■ Master	slave mac	Config
stack member del <2-4>	■ Master	slave node id	Config
stack vlan <1-4000>	■ Config	stack port vlan	config
stack port .LINE	■ Stacking		Config
no stack port	■ Stacking		Config
stack member add candidate WORD	■ Master	Candidate	Config
show stack	■ stacking		Privileged
show stack candidate	■ Master	stacking 가	Privileged
copy master image {primary secondary}	■ slave	os image	Privileged

```

stacking
role . , stacking
vlan 1 , "stack vlan VALUE"
stacking "stack port .LINE" stacking port
, mac "stack member add H.H.H"
. , "show stack"
node id id 가 master "rcommand VALUE"

```

### 3.8. QoS

```

3024 2 (high queue, low queue) 가
bandwidth ratio QoS
, high/low 2 가 가 , 가 src
2 가 dst "priority qos mode {dst|src|both}"
. Src untag priority priority 가
( "port VALUE priority {high|low}" ), tagged
"priority ingress <0-7> {high|low}" tagged packet priority
QoS 가 . Dst mac table priority priority 가
, multicast mac mac table high priority , unicast
가 ( learning unicast mac low priority ).

QoS tagged packet
untagged packet "priority egress {high|low} <0-7>" , high
queue low queue priority

```

## 24. QoS

priority qos mode {dst src both}	▪ QoS		config
port VALUE priority {high low}	▪ port	priority	Config
priority band_width_ratio <10-16>	▪ high queue bandwidth ratio		Config
no priority band_width_ratio	▪ high queue vs low queue bandwidth		Config
priority ingress <0-7> {high low}	▪	vlan tag	high / low queue Config
no priority ingress <0-7>	▪	vlan tag	high / low queue Config
priority egress {high low} <0-7>	▪	vlan tag priority high /low queue priority	Config
no priority egress {high low}	▪	vlan tag priority high /low queue priority	Config



# 4

## 가 (VLAN)

가 LAN( VLAN)

. VLAN

가 .

:

- VLAN
- VLAN
- VLAN
- VLAN

(Displaying VLAN Settings)

### 4.1. VLAN

#### VLAN

VLAN(Virtual LAN)

가

LAN

. VLAN

VLAN

VLAN 가 , , VLAN . VLAN 가 LAN (segment)가

VLAN 가 .

VLAN LAN (segmentation)  
VLAN , ,  
VLAN , , ,  
VLAN .

## VLAN

VLAN :

- (congestion)

VLAN VLAN  
, VLAN 가 VLAN  
가 .

- , 가  
VLAN A 가 VLAN B ,

-

가 , IP  
 . VLAN

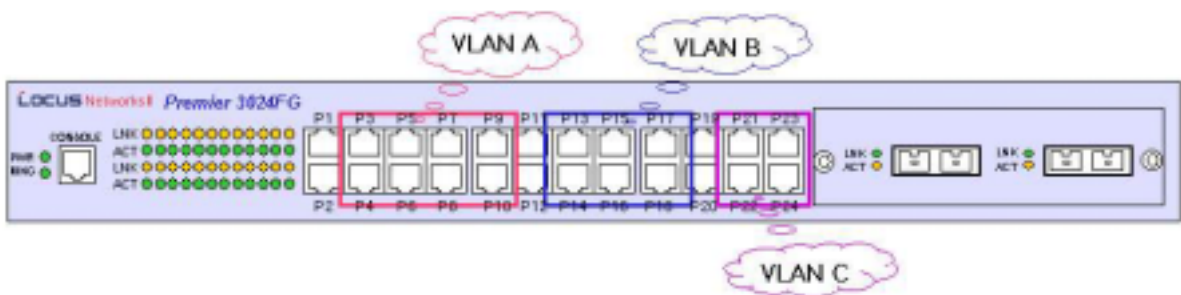
## 4.2. VLAN

Premier 3024FG 1000 VLAN . VLAN  
 :

- (Physical port)
- 802.1Q (tag)
- 

### 4.2.1. VLAN(Port-Based VLANs)

VLAN VLAN  
 VLAN access access  
 VLAN VLAN 1(default VLAN) access  
 , < 1> 3 10 VLAN A access , 13  
 18 VLAN B access 21 24  
 VLAN C Access



1. VLAN

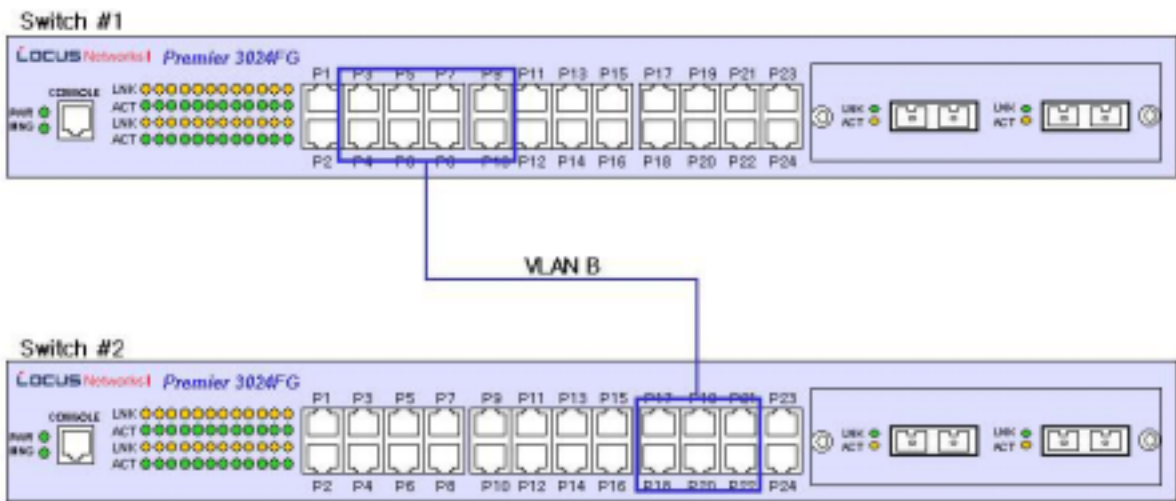
VLAN , I/O  
 가 VLAN IP

## VLAN

VLAN ,

- 1) VLAN access
  - 2) VLAN access
- VLAN , VLAN

```
< 2> 2 VLAN 1
3 10 VLAN B 2 17
22 VLAN B access 1 6
2 19
```



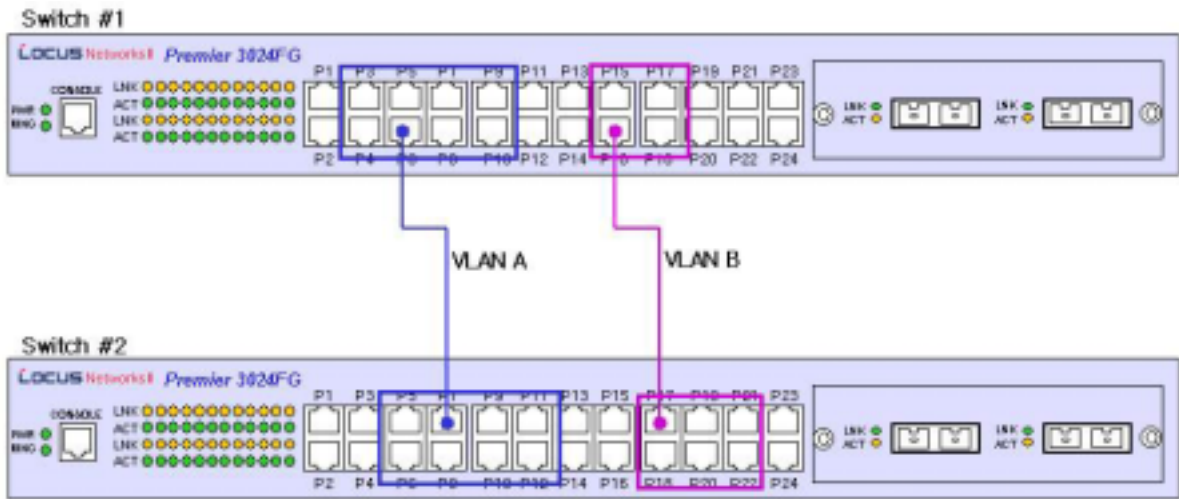
2. VLAN
- VLAN , VLAN
- 1 2 가
- VLAN access



```

< 3>
3          10          VLAN A  access          ,          15          18          VLAN
B  access          .          2          5          12
VLAN A  access          ,          17          22          VLAN B  access

```



**3. VLAN**

```

VLAN A          1          6          2          7          1          2
. VLAN B          1          16          2          17          1
2

```

(daisy-chain)

```

VLAN          .          VLAN          access          가 ,
access          VLAN  access

```

**4.2.2. VLAN(Tagged VLANs)**

(tagging) Ethernet (tag) (marker)  
VLAN VLANid 가 .



**Notice**

802.1Q IEEE 802.3/Ethernet  
 1,518  
 802.1Q  
 , 802.1Q  
 가

**VLAN**

VLAN 가  
 (point-to-point) (trunk)  
 VLAN VLAN  
 ,  
 < 3> VLAN VLAN  
 VLAN  
 VLAN 가 VLAN 가  
 VLAN IEEE 802.1Q (NIC)

**VLAN**

VLAN VLANid 가 VLAN  
 , 802.1Q VLAN 가 VLAN  
 VLANid 가 가 802.1Q VLAN  
 (VLANid) 1 default VLAN  
 VLAN 가  
 (forward) , 가 VLAN 가  
 가  
 VLAN 가



**Notice**

VLAN

VLAN

VLANid 가 10, 20

VLANid 가 30

< 4>

가

가

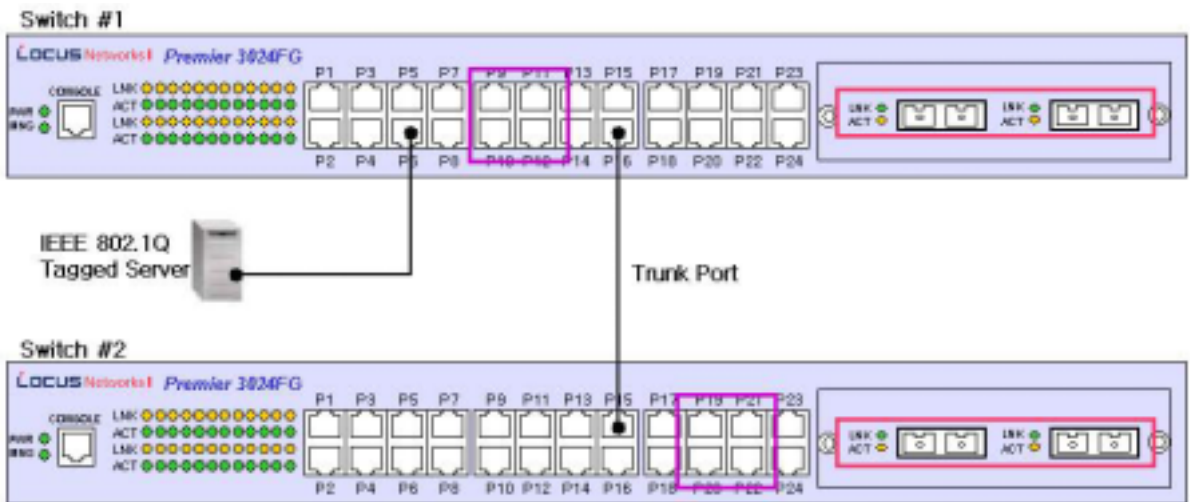
1

6

16,

2

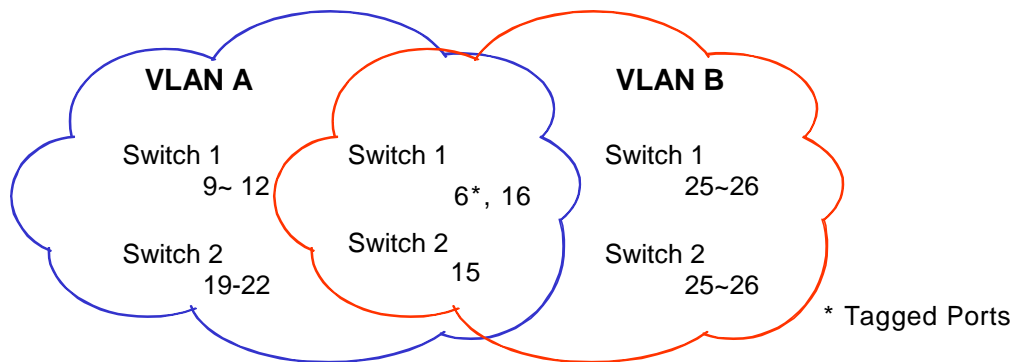
15



4. 가

가

< 5>



5. 가

가

< 4> < 5> :

- (Tagged ports) VLAN A VLAN B .
- 가 .
- 1 6 802.1Q .

- 1 6 VLAN A VLAN B .
- 가 .

가 , 가  
가 . 가 .  
가 .

### 4.2.3. VLAN VLAN

VLAN VLAN VLAN . 가  
VLAN VLAN VLAN 가 . ,  
VLAN VLAN 가 .

## 4.3. VLAN Names

### 4.3.1. VLAN ID

VLAN ID는 1에서 4,000까지 지정할 수 있습니다. (default VLAN ID는 1입니다.)

VLAN ID를 지정하는 방법은 다음과 같습니다.

```

VLANid VLANid
. VLANid
,

```

### 4.3.2. Default VLAN

기본 VLAN을 지정하는 방법은 다음과 같습니다.

- Default VLAN을 지정합니다. (VLANid는 1입니다.)
- Default VLAN을 지정합니다. (default VLAN을 지정합니다.)
- Default VLAN을 지정합니다. (native VLAN을 지정합니다.)
- Default VLAN을 지정합니다. (default VLAN을 지정합니다.)

### 4.3.3. Native VLAN

Native VLAN을 지정하는 방법은 다음과 같습니다.

PVID(Port VLAN ID)를 지정하는 방법은 다음과 같습니다.

```

VLAN ID 가 PVID
VLAN
.
가
.
PVID

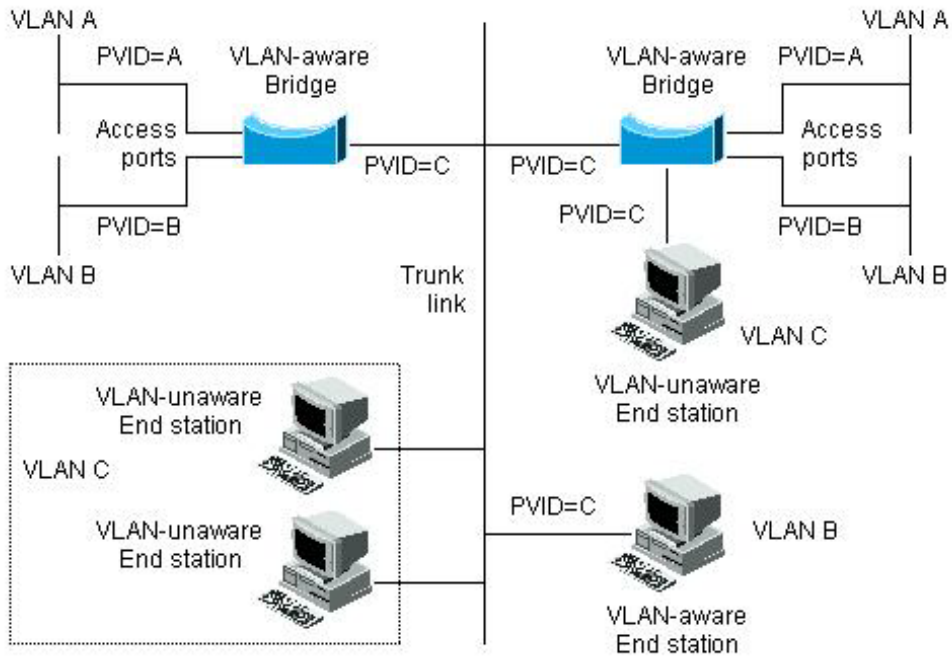
```

< 6> 가 PVID 가

```

.
VLAN
end station
end station

```



## 6. Native VLAN

< 6> . VLAN end station , VLAN  
 PVID 가 VLAN C . VLAN C . VLAN  
 end station 가 , VLAN 가  
 가 , VLAN C .

## 4.4. VLAN

Premier 3024FG  
가

VLAN

. VLAN

### ■ VLAN

- Access mode

### ■ Interface

- Multi trunk

VLAN

1) VLAN , VLAN (VLANid)  
가 , VLAN ASCII

2) VLAN VLAN 1 IP  
(mask)



### Notice

Premier 3024FG

VLAN 1

IP

3) 가 VLAN

VLAN access 가

, VLAN

가

4) VLAN

. VLAN

가 , 802.1Q

## 4.4.1. VLAN

< > VLAN

### 22. VLAN

<pre>vlan add <i>vlanid</i> [<i>name name</i>]</pre>	<ul style="list-style-type: none"> <li>■ VLAN , , . config</li> <li>■ default VLAN(VLANid=1)</li> <li>■ <i>vlanid</i> – VLANid 1 4000</li> <li>■ <i>vlan_name</i> – name VLAN ASCII , <i>vlanxxxx</i> . <i>xxxx</i> VLANid 0002,1000</li> </ul>
<pre>Vlan member add <i>vlanid</i> &lt;<i>portid</i>&gt; [&lt;<i>portid</i>&gt;]</pre>	<ul style="list-style-type: none"> <li>■ VLAN . config</li> <li>■ access</li> </ul>
<pre>Vlan member remove <i>vlanid</i> &lt;<i>portid</i>&gt; [&lt;<i>portid</i>&gt;]</pre>	<ul style="list-style-type: none"> <li>■ VLAN . config</li> </ul>
<pre>port VALUE mode {access multi trunk}</pre>	<ul style="list-style-type: none"> <li>■ 가 VLAN . config</li> <li>■ access – access ( VLAN) . Access , 가 VLAN access</li> <li>■ multi – VLAN .</li> <li>■ trunk – VLAN , 가</li> </ul>



port VALUE vlan access <vlanid>	<ul style="list-style-type: none"> <li>■ VLAN access</li> <li>■ 가 access , VLAN</li> </ul>	config
no port VALUE vlan access	<ul style="list-style-type: none"> <li>■ Native VLAN default(VLAN 1)</li> </ul>	config
port VALUE vlan multi add <vlanid> [<vlanid>]	<ul style="list-style-type: none"> <li>■ 가 VLAN</li> <li>■ 30 VLAN ID</li> </ul>	config
port VALUE vlan multi remove <vlanid>	<ul style="list-style-type: none"> <li>■ VLAN VLAN</li> </ul>	config
port VALUE vlan trunk add <vlanid>[<vlanid>]	<ul style="list-style-type: none"> <li>■ Trunk port tagged VLAN</li> </ul>	config
port VALUE vlan trunk native <vlanid>	<ul style="list-style-type: none"> <li>■ 가 802.1Q , VLAN</li> <li style="padding-left: 20px;">, 가</li> <li style="padding-left: 40px;">native VLAN</li> <li>■ native VLAN default</li> <li style="padding-left: 20px;">VLAN(VLANid = 1) native VLAN</li> </ul>	config
port VALUE vlan trunk remove <vlanid> [<vlanid>]	<ul style="list-style-type: none"> <li>■ Trunk port tagged VLAN</li> </ul>	config
show vlan all	<ul style="list-style-type: none"> <li>■ VLAN</li> </ul>	Privileged

## 4.5. VLAN

```
Switch# configure terminal
Switch(config)# vlan 10 name marketing
Switch(config)# vlan member add 10 1 2 3
Switch(config)# end
```

---

```
Switch# configure terminal
Switch(config)# vlan 10 name marketing
Switch(config)# vlan member add 10 1 2 3
Switch(config)# end
```

---

```
Switch# configure terminal
Switch(config)# vlan 20 name sales
Switch(config)# vlan member add 20 4 5 6 7
Switch(config)# port 12 mode trunk
Switch(config)# port 12 vlan trunk add 10 20
Switch(config)# end
Switch#
```

---

```
Switch# configure terminal
Switch(config)# vlan 20 name sales
Switch(config)# vlan member add 20 4 5 6 7
Switch(config)# port 12 mode trunk
Switch(config)# port 12 vlan trunk add 10 20
Switch(config)# end
Switch#
```

---

# 5

## STP(Spanning Tree Protocol)

### 5.1. Spanning Tree

#### 5.1.1. Overview

Spanning Tree Protocol(STP) (loop)  
Layer 2 . Layer 2  
가 . Spanning-tree 가 가  
STP . STP  
가 가 . MAC 가  
Layer 2  
STP Layer 2 가  
tree , STP (block)  
spanning tree 가 가  
, STP spanning tree .

가 forwarding, STP port priority path cost blocking . STP port priority 가 가 . STP path cost .

### 5.1.2. Election of the Root Switch

Layer 2 STP Bridge Protocol Data Units(BPDU)

- STP instance root
- LAN designated
- Layer 2 (blocking)

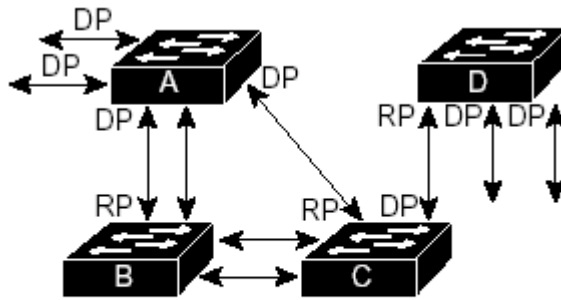
VLAN , 가 bridge priority( 가 priority ) 가 가  
 root 가 default priority(32768) , VLAN 가  
 MAC 가 가 root 가 .

STP root STP root .  
 가 STP blocking .

BPDU MAC , bridge priority, port priority path cost  
 . STP root , root port, designated port .

### 5.1.3. Creating the STP Topology

< 7> , bridge priority 가 default(32768) Switch A 가 가  
 MAC 가 Switch A 가 , , forwarding  
 , Switch A root 가 .  
 root priority 가( ) ,  
 STP .



RP = Root Port  
 DP = Designated Port

### 7. STP

Default parameter spanning tree , 가  
 , priority 가  
 root-port root port .  
 B 가 가 B (10/100Mbit  
 )가 root port 가 . 가  
 . 가 가 root port priority( ) 가  
 STP port priority , 가 가 root port 가 .

### 5.1.4. STP Interface State

가 LAN .  
 . spanning tree Layer  
 2 가 forwarding ,  
 . 가 LAN

- STP Layer 2 가 :
- ✓ **Blocking** – Layer 2
  - ✓ **Listening** – STP Layer 2 가  
blocking
  - ✓ **Learning** – MAC learning .
  - ✓ **Forwarding** – .

✓ **Disabled** – 가 shutdown link 가 STP Layer 2

STP 가 , blocking , listening learning , Layer 2 forwarding blocking

STP 가 Layer 2 forwarding :

1. listening
2. forward-delay 가 , learning
3. learning forwarding MAC database
4. forward-delay 가 , forwarding MAC learning

## 5.2. Spanning Tree

Spanning Tree

### 5.2.1. Spanning Tree /

VLAN spanning tree 가 . Spanning tree 가

VLAN spanning tree / config

### 23. Spanning Tree /

<code>spanning-tree vlan &lt;1-4000&gt;</code>	VLAN	spanning tree

---

**no spanning-tree vlan <1-4000>** VLAN spanning tree

---

### 5.2.2. STP Port Priority

가 , forwarding blocking  
 가 STP port priority . priority ( )  
 가 forwarding 가 가  
 priority 가 , 가 forwarding .  
 port priority interface .

#### 24. STP port priority

<b>spanning-tree [vlan &lt;1-4000&gt;] port-priority &lt;0-255&gt;</b>	Spanning Tree parameter Priority VLAN default Port Priority	interface Port default VLAN 1 128
<b>no spanning-tree [vlan &lt;1-4000&gt;] port-priority</b>	port priority	default(128)

### 5.2.3. STP Path Cost

STP path cost default . forwarding  
 STP path cost . cost  
 가 forwarding . cost 가  
 가 forwarding .  
 path cost interface .

#### 215. STP path cost

<b>spanning-tree [vlan &lt;1-4000&gt;] cost &lt;1-65535&gt;</b>	Spanning Tree parameter Cost VLAN default Cost < 25>	interface default VLAN 1	Path
<b>no spanning-tree [vlan &lt;1-4000&gt;] cost</b>	path cost	default	

Path Cost (integer) 1 65535 가 . < !  
 .> Link Speed 가 Path Cost .

### 226. Link Speed Path Cost

Link Speed			
4 Mb/s	250	100-1000	IEEE
10 Mb/s	100	50-600	IEEE
16 Mb/s	62	40-400	IEEE
100 Mb/s	19	10-60	IEEE
1 Gb/s	4	3-10	IEEE
10 Gb/s	2	1-5	IEEE

## 5.2.4. STP Bridge Priority

root bridge priority .  
 bridge priority config .

### 237. STP Bridge Priority

<b>spanning-tree [vlan &lt;1-4000&gt;] priority &lt;0-65535&gt;</b>	Spanning Tree parameter VLAN default Priority 32768	Bridge priority default VLAN 1
-------------------------------------------------------------------------	-----------------------------------------------------------	-----------------------------------



---

**No spanning-tree [vlan <1-4000>]** bridge priority default(32768)  
**priority**

---

## 5.2.5. Hello Time

STP hello time

hello time config

### 248. STP Hello Time

---

<b>spanning-tree [vlan &lt;1-4000&gt;]</b> <b>hello-time &lt;1-10&gt;</b>	Spanning Tree parameter VLAN default Hello Time 2sec	Bridge Hello Time default VLAN 1
------------------------------------------------------------------------------	------------------------------------------------------------	-------------------------------------

---

<b>no spanning-tree [vlan &lt;1-4000&gt;]</b> <b>hello-time</b>	Hello time default(2)
--------------------------------------------------------------------	-----------------------

---

## 5.2.6. Forwarding-Delay Time

forwarding-delay time config

### 259. STP Forward-Delay Time

---

<b>spanning-tree [vlan &lt;1-4000&gt;]</b> <b>forward-time &lt;4-30&gt;</b>	<ul style="list-style-type: none"> <li>• Spanning Tree parameter Bridge Forwarding Delay</li> <li>• VLAN default VLAN 1</li> </ul>	default Forwarding Delay 15sec
--------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------	--------------------------------

---



---

<b>show</b>	<b>spanning-tree</b>	Interface	Spanning Tree	Enable
<b>interface</b>	<i>IFNAME</i>			

---

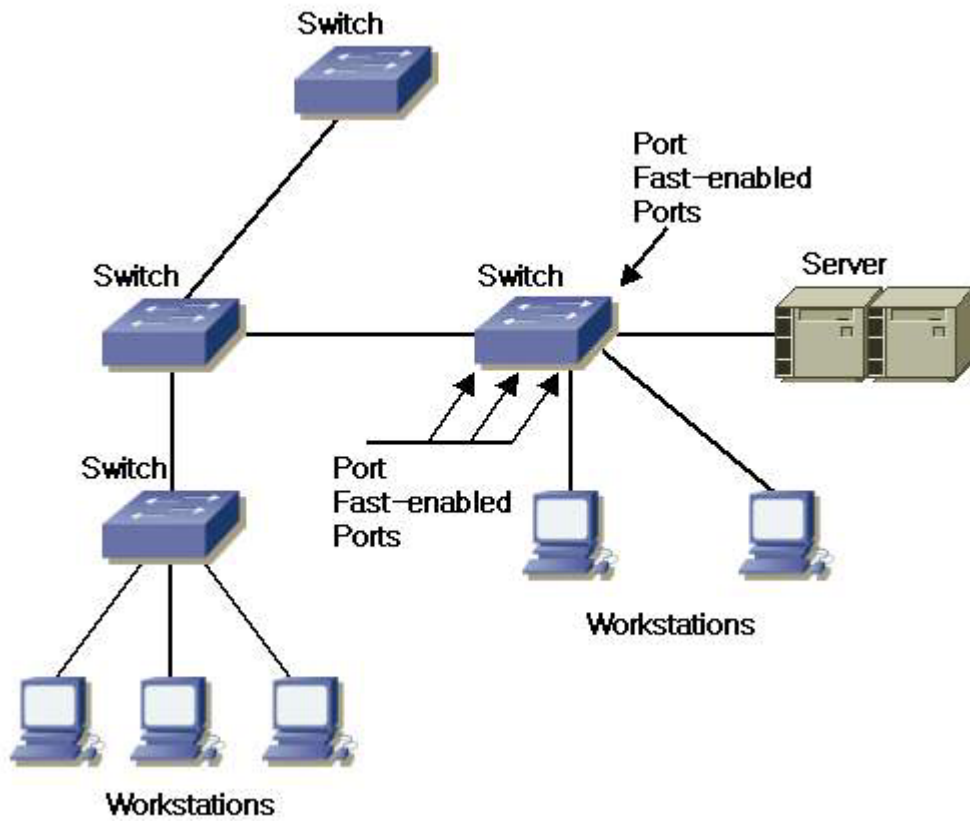
## 5.3. PortFast UplinkFast

### 5.3.1. PortFast

PortFast access forwarding Layer 2 access 가 , STP PortFast

blocking Layer 2 listening learning

2



#### 8. PortFast 가

가 , STP blocking BPDUs



**Notice**

PortFast

access port 가 STP

, access

가 .  
가 .

PortFast

### 5.3.2. PortFast /

PortFast

interface

#### 32. PortFast

<b>spanning-tree portfast</b>	PortFast .
<b>no spanning-tree portfast</b>	PortFast .



**Warning**

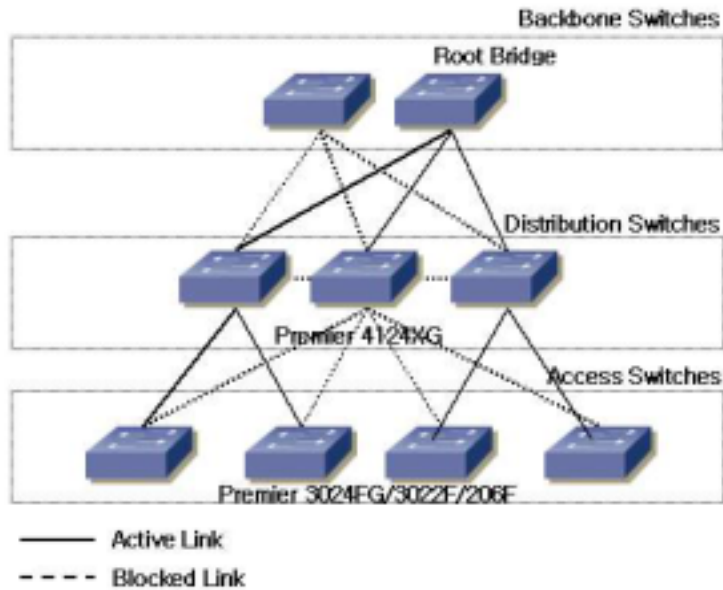
PortFast

가

가 .

### 5.3.3. UplinkFast

9. < 9> backbone distribution, distribution access access STP 가 distribution access STP 가 가



9.

STP UplinkFast STP 가 root 가 STP 가 root listening learning forwarding

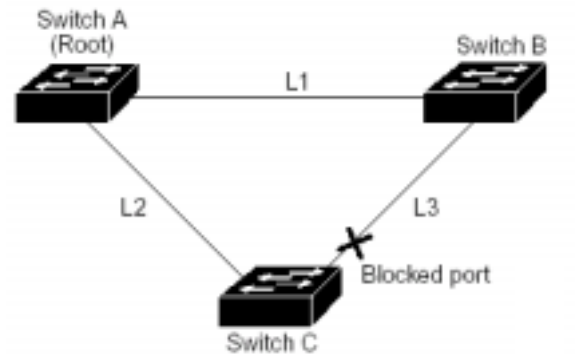


**Notice**

UplinkFast access 가 , backbone 가

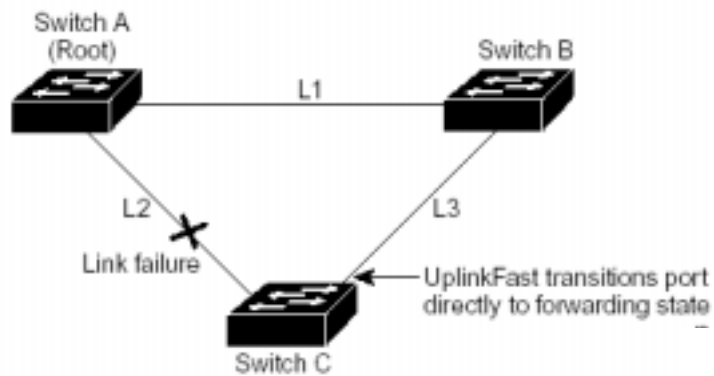
UplinkFast , uplink Layer 2 . Uplink Layer 2 forwarding forwarding root Uplink forwarding 가

< 10> 가 . Root A B L1  
 , C L2 . B  
 C Layer 2 blocking .



10. UplinkFast

C 가 root L2 , UplinkFast < 11>  
 C listening learning  
 forwarding . 1~5 .



11. UplinkFast


### 5.3.4. UplinkFast /

UplinkFast config

#### 33. UplinkFast

<b>spanning-tree uplinkfast</b>	Switch	UplinkFast
<b>no spanning-tree uplinkfast</b>	Switche	UplinkFast

---

	<b>Notice</b>	<b>Spanning-tree Uplinkfast</b>	<b>VLAN</b>	<b>VLAN</b>	<b>UplinkFast</b>
-----------------------------------------------------------------------------------	---------------	---------------------------------	-------------	-------------	-------------------

---



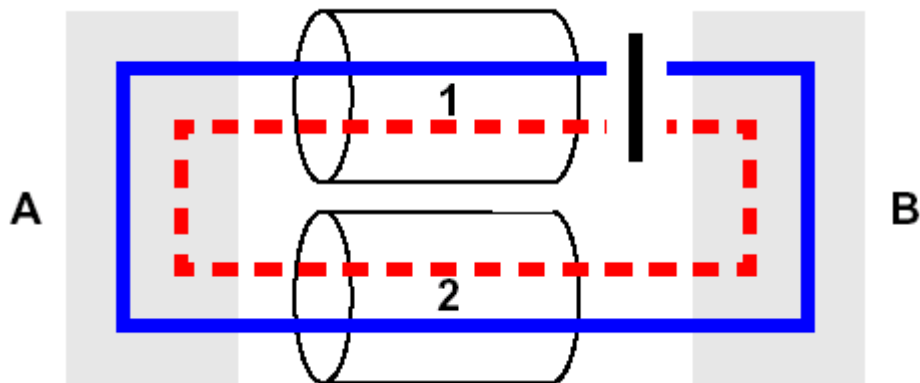
## 5.4. Per VLAN Spanning Tree

STP PVST VLAN Spanning Tree 가  
 VLAN 가 .



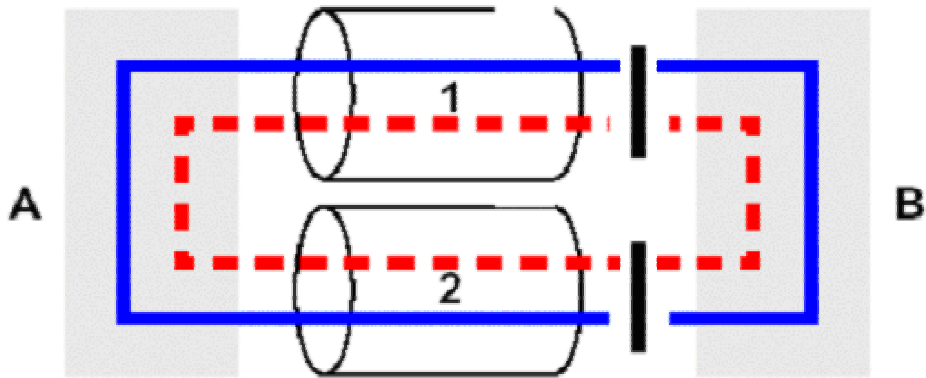
**Warning** trunk STP , VLAN PVST 가  
 VLAN .

trunk A, B PVST 가 Spanning Tree  
 VLAN  
 1 .



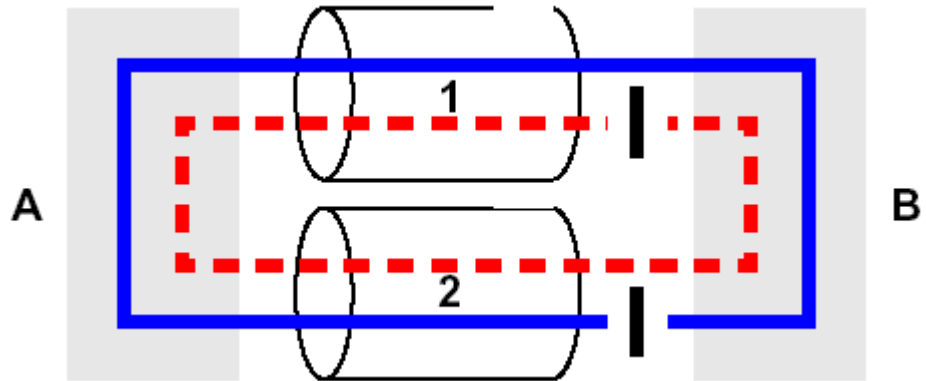
12. 802.1Q non PVST spanning tree

Blue VLAN 2 , PVST 가  
 A B 가 가  
 VLAN .



13. 802.1Q non PVST spanning tree

PVST



14. 802.1Q PVST spanning tree

Red VLAN 1, Blue VLAN 2 가 . Blue  
 VLAN 1, Red VLAN 2  
 VLAN 가 < 9-9.7> 가  
 , VLAN < 9-9.6>  
 가



**Notice** Premier 3116XG PVST CISCO PVST/PVST+  
 . CISCO PVST+ Premier 3<sup>rd</sup> party

### 5.4.1. PVST

PVST config .

#### 34. PVST

---

```
spanning-tree pvst-mode ■ STP PVST .
```

---

### 5.4.2. PVST

PVST config .

#### 35. PVST

---

```
no spanning-tree pvst-mode ■ STP PVST .
```

---

### 5.4.3. PVST

spanning tree PVST enable .

#### 36. PVST

---

```
show spanning-tree pvst-mode ■ STP PVST .
```

---

# 6

Premier 3024FG  
, RMON(Remote Monitoring)

Premier 3024FG 가 가  
, 가

## 6.1.

. Premier 3024FG show

### 37.

---

show logging	■	
	■	200
show memory usage	■	
show version	■	HW SW

---

## 6.2. Logging

Premier 3024FG

- 
- 

Premier 3024FG

CLI

200

Telnet

syslog server

Premier 3024FG

0-7

Severity

가

### 38. Premier 3024FG

Severity	
Emergencies (0)	가.
Alerts (1)	가
Critical (2)	Critical
Errors (3)	.
Warnings (4)	.
Notifications (5)	.
Informational (6)	.
Debugging (7)	.

## 6.2.1.

Premier 3024FG

### ■ Timestamp

- Timestamp 가 , , HH:MM:SS  
MM/DD/YYYY
- `log session timestamp [enable/disable]` timestamp

### ■ Severity level

- < > Premier 3024FG
- 0-7

### ■ Log description

- 

---

```
%10:00:04 10/29/2001 %-5-%System starting ...
%10:00:07 10/29/2001 %-7-%snmpAgnt initialization
%10:00:10 10/29/2001 %-5-%null interface attached
%10:00:11 10/29/2001 %-5-%IF Manager Started
%10:00:11 10/29/2001 %-5-%IF Statistics Module started
%10:00:11 10/29/2001 %-5-%System started.
%10:00:11 10/29/2001 %-5-%Configuration loading ...
```

---

## 6.2.2. Logging

39.

---

	enabled
Telnet	enabled.
	200
Time-Stamp	enabled
Logging Server	disabled
Syslog server IP address	None configured

---

Server facility	LOCAL7
Server severity	Warnings(4)
Severity	Debuggings(7)
Telnet Severity	Errors(3)

**40.**

---

logging console {enable/disable}	■
Logging session {enable/disable}	■
Logging session timestamp {enable/disable}	■
Logging session level <0-7>	■
show log [last] [number-of-message]	■

---





3024FG image Premier

## 7.1. Flash

Premier 3024FG OS image Flash Flash  
 Flash OS image Configuration  
 Flash 가 Premier 3024FG

os1.img	Booting	loading	OS primary image
os2.img	Booting	loading	OS secondary image
system.cfg	Booting	loading	configuration

## 41.

<code>show files</code>	■ Flash File	.	Privileged
<code>erase filename</code>	■ Flash File	.	Privileged
<code>boot image {primary secondary}</code>	■ Flash File	booting os image	Privileged
<code>copy filename tftp</code>	■ Flash File	TFTP backup	Privileged

## 7.2. Configuration

가 Premier 3024FG

· Premier 3024FG	Configuration	startup-config	running-
config 가 · Flash		Configuration	startup-
config , DRAM	running-config	.	
가	DRAM	· DRAM	
	Flash	.	

## 42. Configuration

<code>show startup-config</code>	■ Flash	Privileged
<code>show running-config</code>	■	Privileged
<code>copy running-config startup-config</code>	■ Running-config TFTP Server Upload	Flash Privileged
<code>erase startup-config</code>	■ Flash	Privileged



. Image image



**Warning**

image

---

### 43. Image download

---

copy [tftp ftp] image [primary secondary]	■ TFTP/FTP flash	image	Privileged
----------------------------------------------	---------------------	-------	------------

---

```
Switch# copy tftp image primary
TFTP server IP address: 192.168.0.3
Source filename       : image.new
```

```
TFTP receive: 192.168.0.3//image.new --> image file[os1.img]
continue [yes/no]? yes
```

```
TFTP file receiving(buffer size 10240 bytes).
. image file size: 785765 bytes.
.....
Total size = 785765 bytes, Elapsed time = 5 secs
Verify image... done
Save image to os1.img...
  erasing ..... done
  data writing ..... done
  header overwriting... done
Image download completed
```

```
Switch# show files
```

Name	Used(b)	Free(b)	Status	Lock	Boot	Information	Remark
os1.img	508225	278163	Clean	--	B*	New_img	Primary image
os2.img	474098	312290	Clean	--	--	R12	Secondary image
system.cfg	0	262108	Empty	--	--		System configuration

---

---

```
Switch# reload
```

---

## 7.4. Image

Copy

OS image

### 44. Image

---

copy image	Flash	TFTP/FTP	upload	Privileged
{boot primary secondary}	.	.	.	.
{tftp ftp}	.	.	.	.

---

---

```
Switch# copy image primary tftp
TFTP server IP address: 192.168.0.3
Destiname filename   : image.bak

TFTP send: os1.img -> 192.168.0.3//image.bak
continue [yes/no]? yes

TFTP File sending(buffer size 10240 bytes).
.....

Total size = 785797 bytes, Elapsed time = 7 secs
Switch#
```

---

## 7.5.

Premier 3024FG

On/Off



**Warning**

Configuration Flash

---

---

```
Switch# reload
WARNING !!!
You must save current configuration or you will lose it..

"continue to reboot [yes/no]? yes
Switch#
```

---

# 8

## Boot Command

### 8.1. Boot Sequence

Premier 3024FG

- 1) Flash Memory    Boot-strap Code Loading
- 2) H/W
- 3) Flash Memory    OS image loading
- 4) Driver
- 5) Application
- 6) Flash Memory    Configuration Loading

### 8.2. Boot Mode

Boot Mode  
loading

OS image 가 loading

OS image

Premier 3024FG    가

## 45. Premier 3024FG 가

help	■	Boot command	.
config	■	flash memory	startup-config loading
passwd	■	console login password	enable password check
reboot	■	.	.
select	■	os image	primary secondary
go	■	.	.

## 8.3. Configuration

startup-config	default	"yes"
Boot Mode	.	.
[Switch_BOOT] <b>config</b>		
Do you want to load configuration data [y/n] ? <b>n</b>		
No configuration data will be loaded		
Default configuration data will be loaded		

## 8.4. Password

console login password	enable password	가
Boot Mode	.	.
[Switch_BOOT] <b>passwd</b>		
Do you want to recovery password [y/n] ? <b>y</b>		
Checking password is disabled		



```
booting          console login  Privileged mode
[Enter]         .
                "yes"
```

## 8.5. Select

---

```
[Premier-3024FGX_BOOT] select ?

Select the OS image to load ?
[1] Primary    [2] Secondary

Select[1/2] ? 1

Primary OS Image selected

[Premier-3024FGX_BOOT]
```

---

## 8.6. Boot Mode

```
Premier 3024FG          Boot Mode          .

                        가                  .
key to stop booting..."   가          <Enter>          Press any
                                Boot Mode
```

---

```
Copyrights@2001 LOCUS NETWORKS Inc.
ALL RIGHTS RESERVED
```

```
LOCUS NETWORKS CORPORATION
Danam B/D, 93-45, Bukchang-dong
Jung-Gu Seoul, 100-080, KOREA
```

---

---

http: www.locusnetworks.com  
Model Number : Premier-3024FG  
Serial Number : 0205-22-00-06  
BOOT Revision : 1.1  
Create Date : JAN 5, 2003  
Processor : Motorola PowerPC  
Main Memory : 32Mbytes SDRAM  
BOOT FLASH : 4Mbytes  
OS FLASH : Installed  
CONFIG FLASH : Installed

Checking Memory OK  
Checking Flash Memory (Primary OS Image) OK  
Checking Flash Memory (Secondary OS Image) OK  
Checking Flash Memory (Configuration) OK

***Press any key to stop booting...***

Entering Boot mode !

[Premier-3024FG\_BOOT]  
[Premier-3024FG\_BOOT]  
[Premier-3024FG\_BOOT] help

help show this help message  
config configuration load  
passwd password recovery  
reboot reboot the system  
select select primary/secondary os image  
go start the system

---