



Cisco.com

**Cisco Systems Korea**  
**[mskim@cisco.com](mailto:mskim@cisco.com)**

**2003. 8.19**



# One IP Network

????

Cisco.com



?



가 ?



?



...



가

?



# Agenda

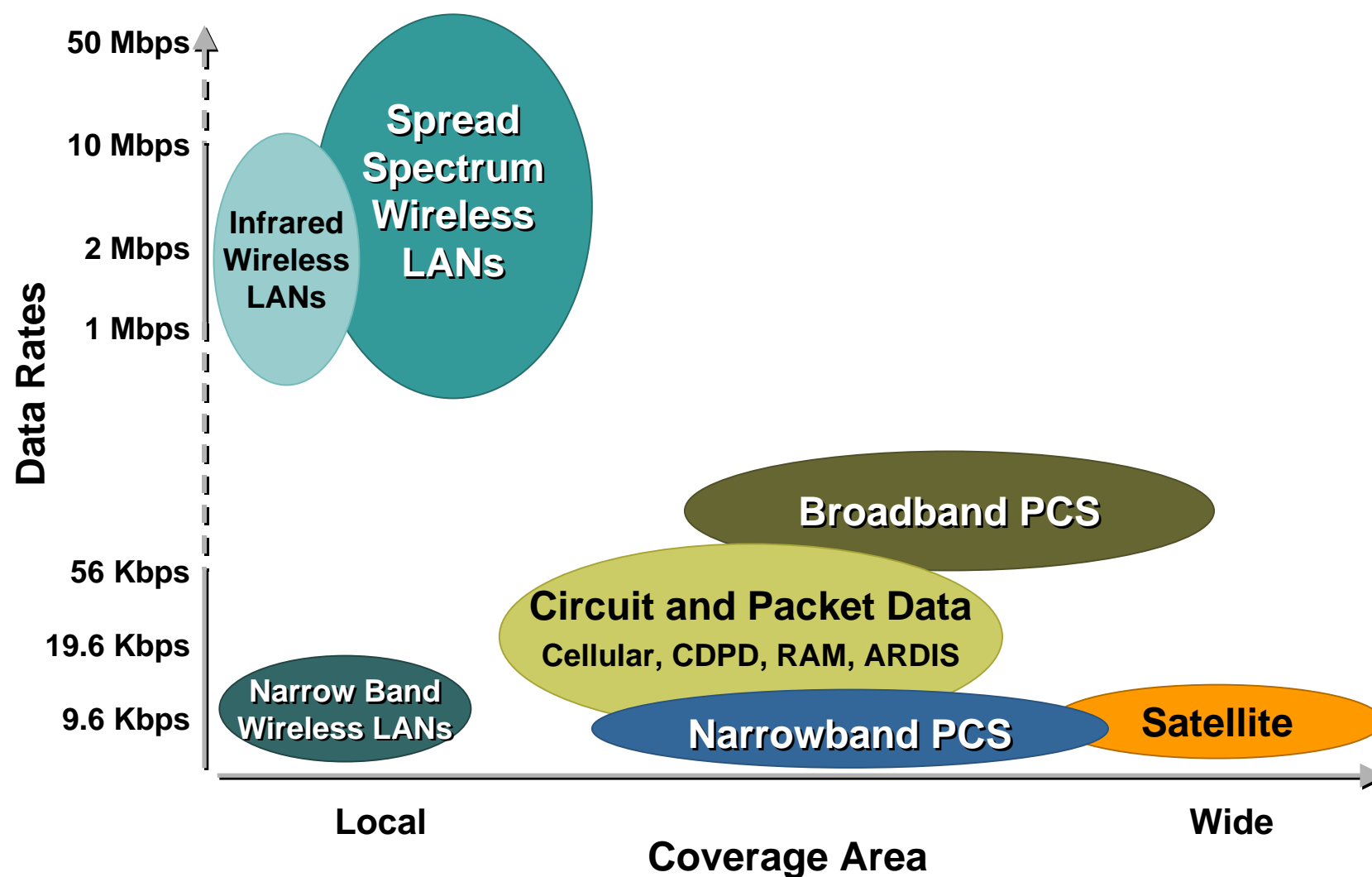
Cisco.com



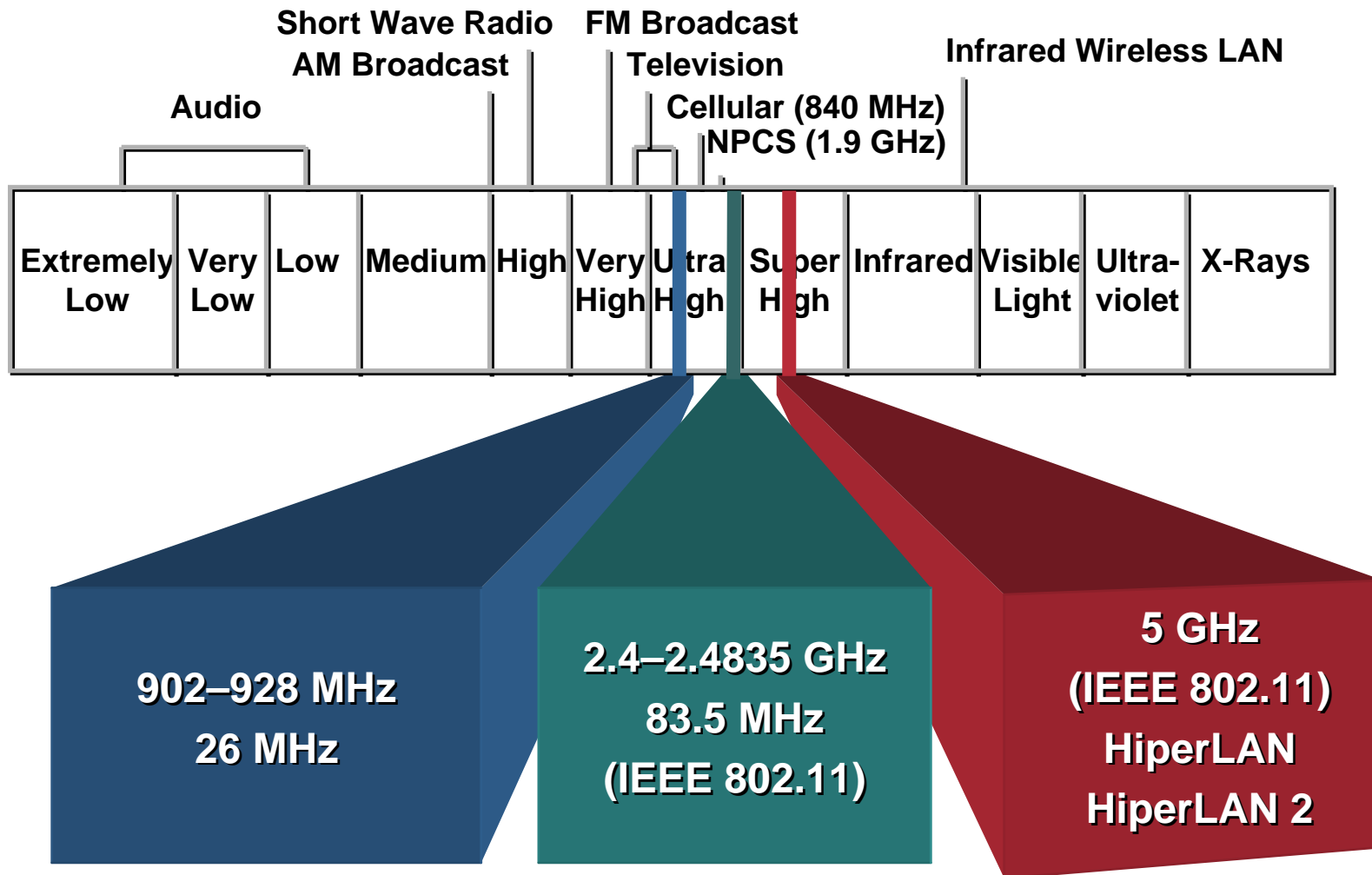
- **IBS**

/



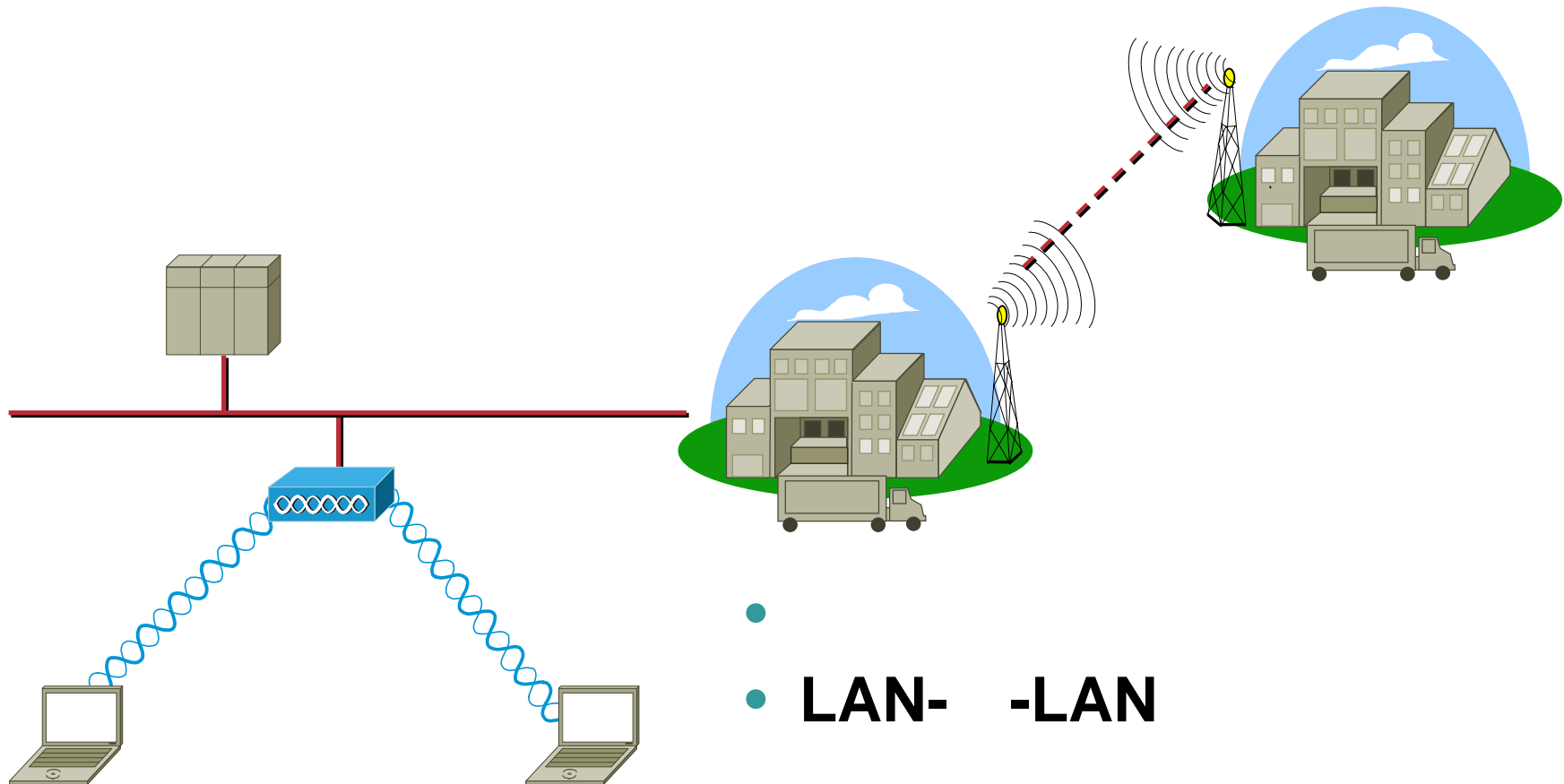


# 가



# 2가

Cisco.com

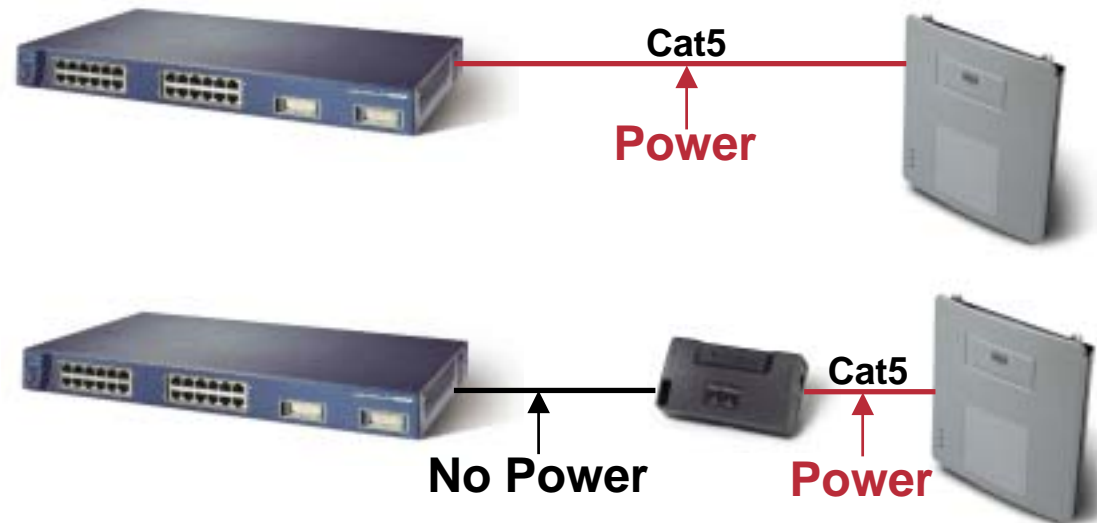


# AP

Cisco.com

- 350, 1100, & 1200 AP
- 48 Volt DC Cat 5
- AC
- AP1100/AP1200

AC



- 3550-24PWR
- 4006 6500
- 48



- **(AIR-PWRINJ2)**

AC 48V DC 가  
 15W AP  
 (350/1100/1200 ),  
 AP1200 802.11a/b



**AIR-PWRINJ2**

- **(AIR-PWRINJ-FIB)**

1.24 ) AP (up to  
 ,  
 DC  
 /  
 UL 2043

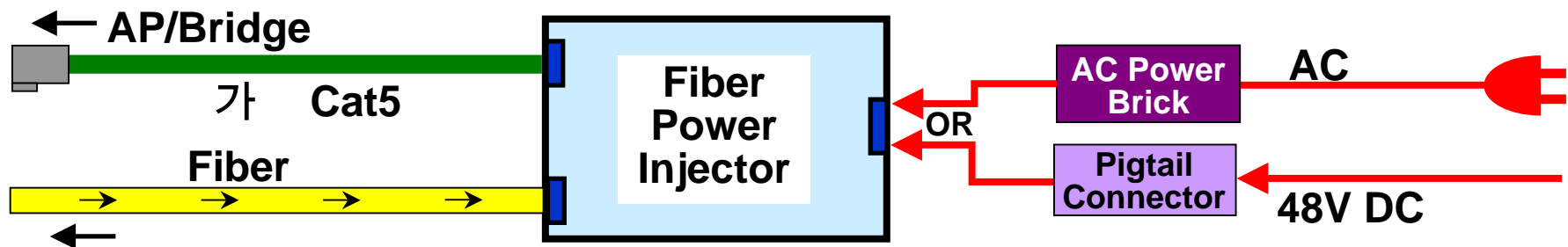


**AIR-PWRINJ-FIB**

# AIR-PWRINJ-FIB:

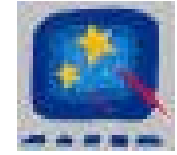
Cisco.com

- 2가 :  
1)  
2) AP
- :  
2가 :  
48V DC- Pigtail  
AC – AP1100/1200  
Fiber – 100BaseFX, MT-RJ ,  
PoE (“Power over Ethernet”)  
(350, 1100, 1200 )  
(0-55°C, 0-90% )  
“ ”





# IBS



Cisco.com

- 1999 5 , ‘ ,
- ,
- 가 ,

,

-

Cisco.com

•

&

•

(

)

&

•

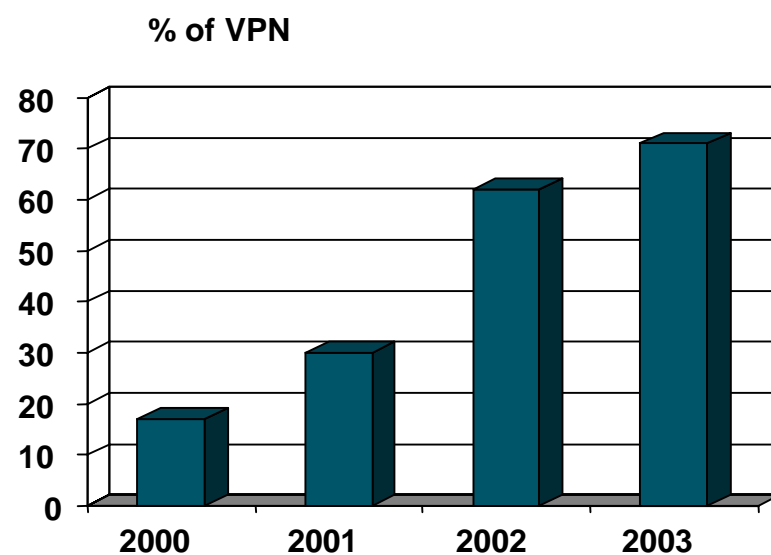
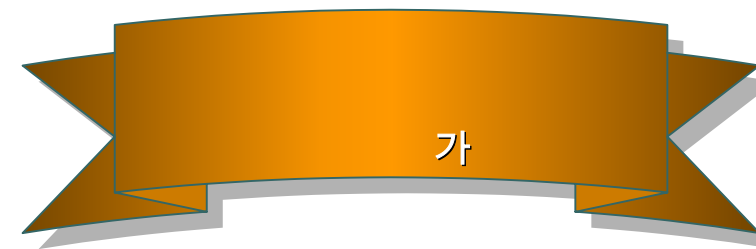
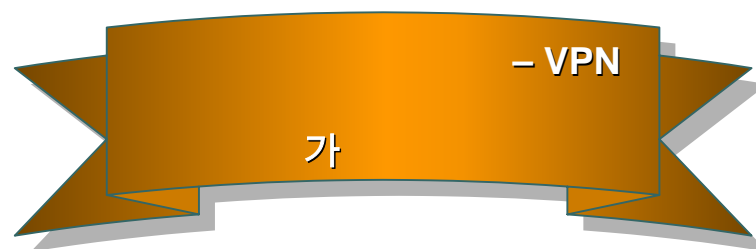
PC

PDA  
가

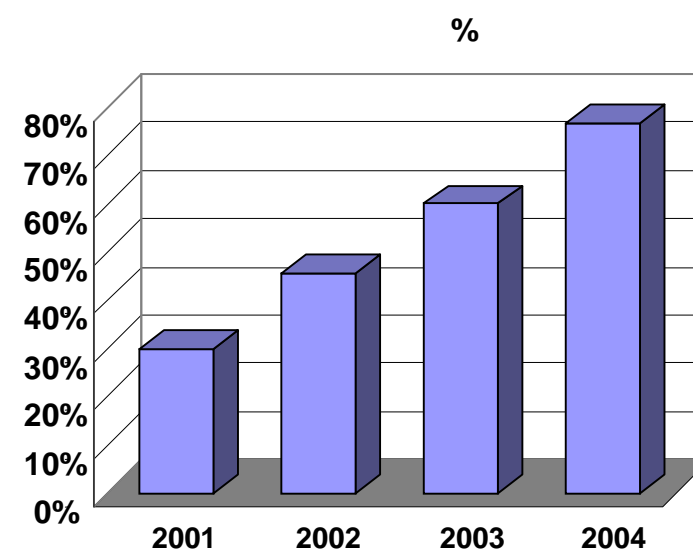
가

# VPN





: , 2001



: 가 , 2001

가

Cisco.com

•

4 5

, 62% 가

•VPN

가

•

•AAA  
5

가

- 4







## IP VOD

- 
- 2



## IP

- IP/  
/ /
- – TCO



,

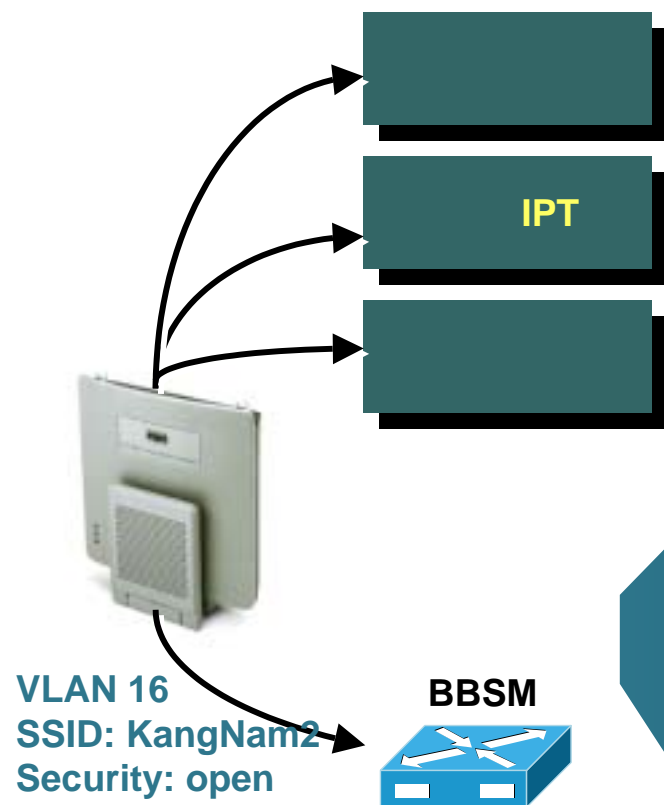
- 
- 



- 
- 50%



- ;
- ,



Welcome to the Cisco Visitor Network

User Name:

Access Code:

**Connect**

Please see Lobby Ambassador for your Access Code

## Building Broadband Service Manager (BBSM)

- 
- 
- 
- 

가

가

BR350

Cisco.com

Patch Antenna

BR350

TV (

->

)

(

)

(

)

가

가

가

,

,



가?

“

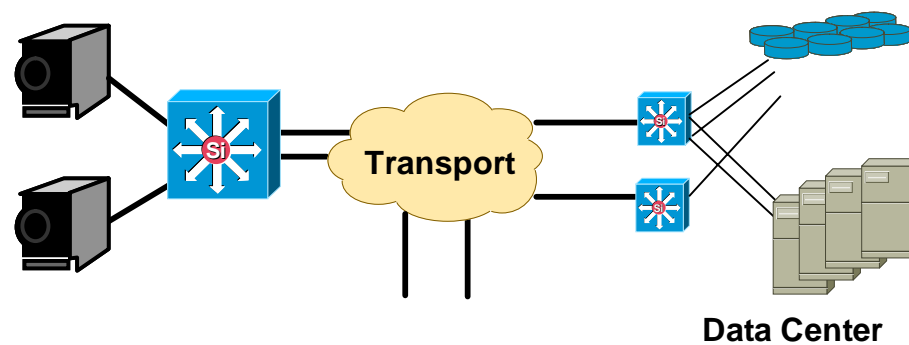
/

”



가?





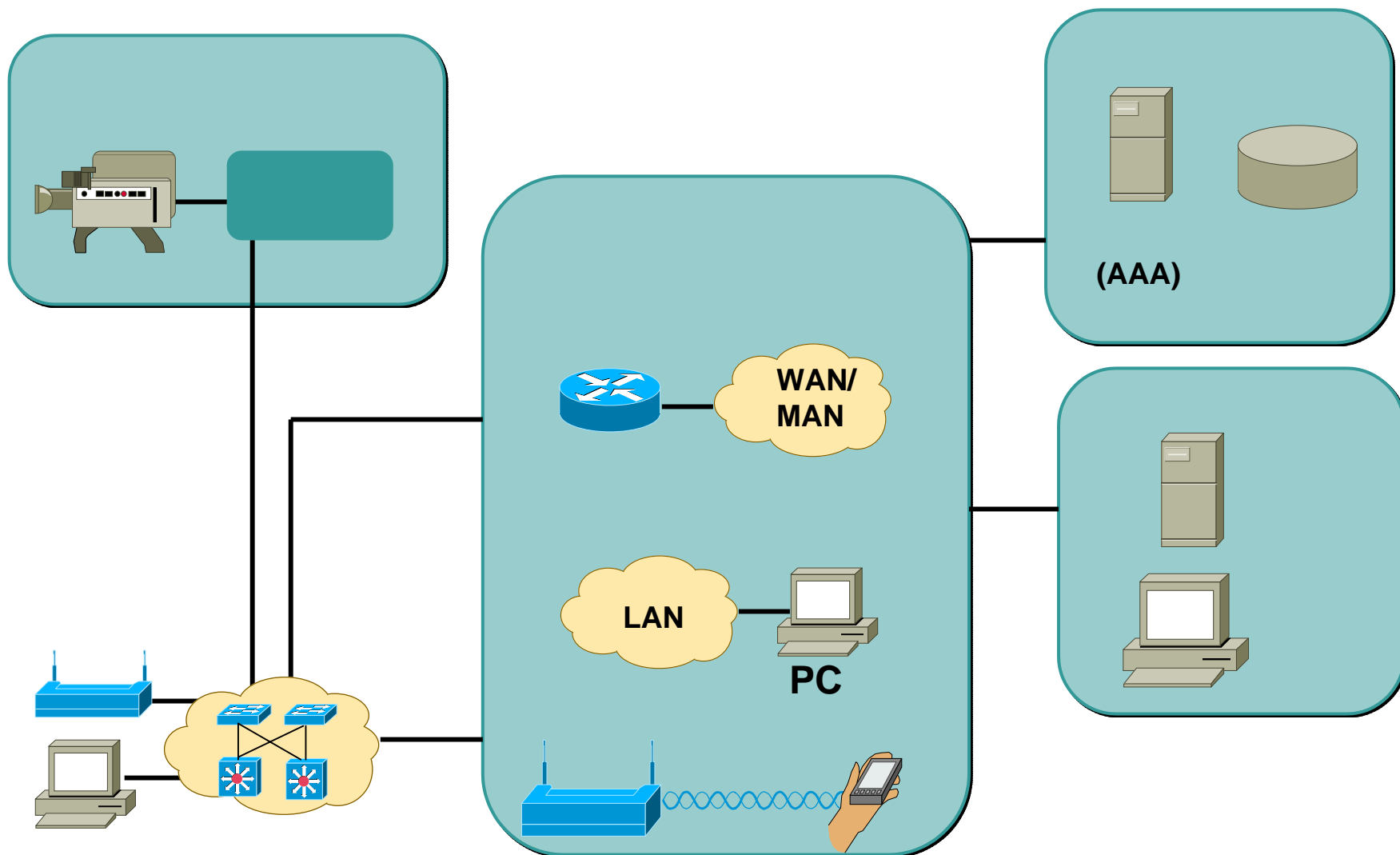
가

Security Ops

가

- : /
- : /
- AVVID
- 가

- : , , PDA
- : DVR, ,
- /

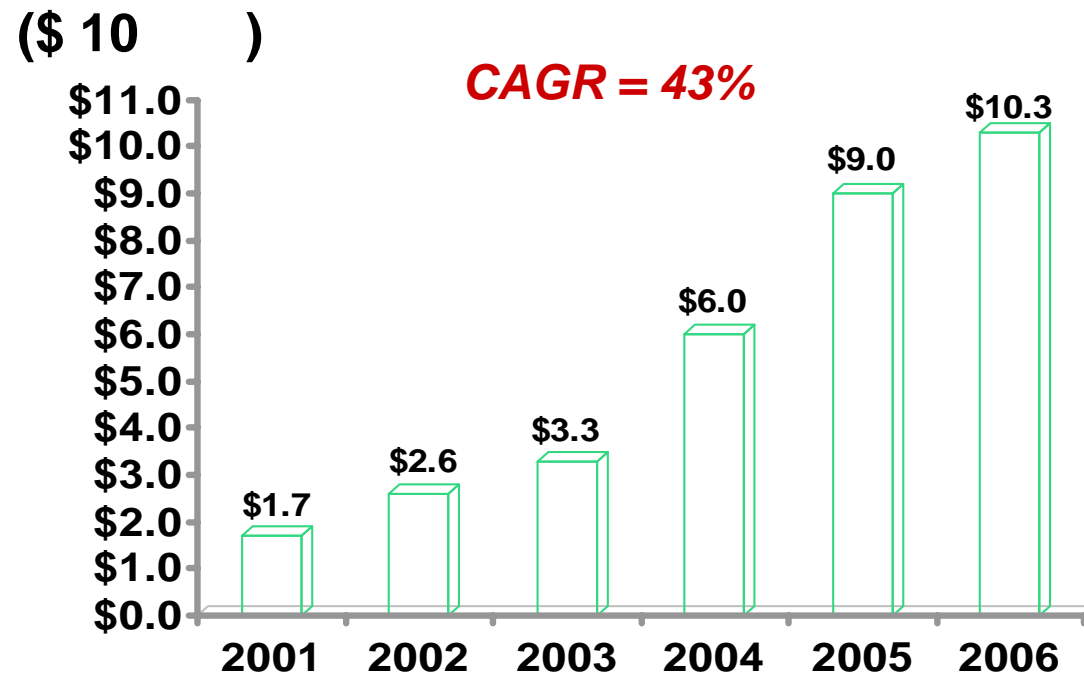






# LAN

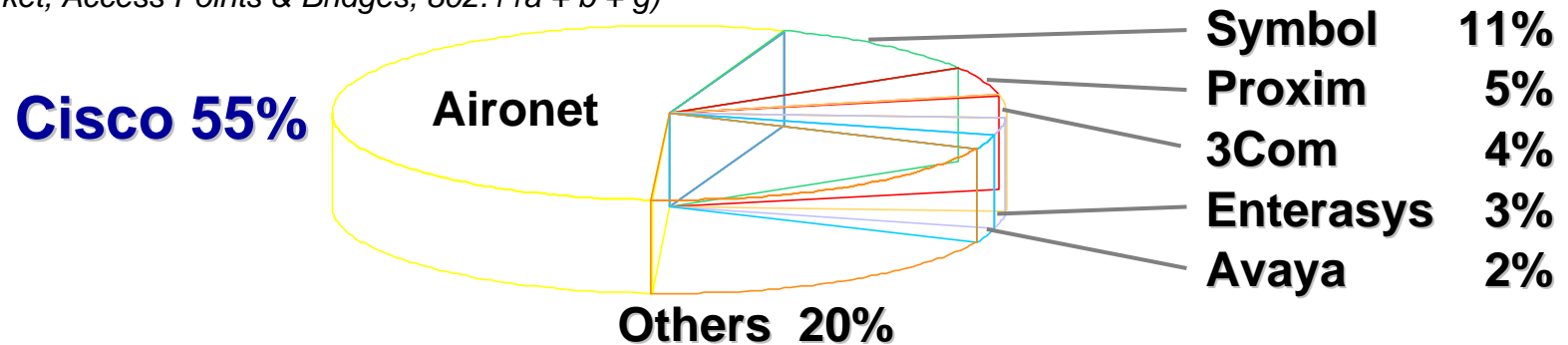
*\*includes embedded clients, add-on client cards, & infrastructure equipment for both the business and consumer segments*



: Forward Concepts, 2003

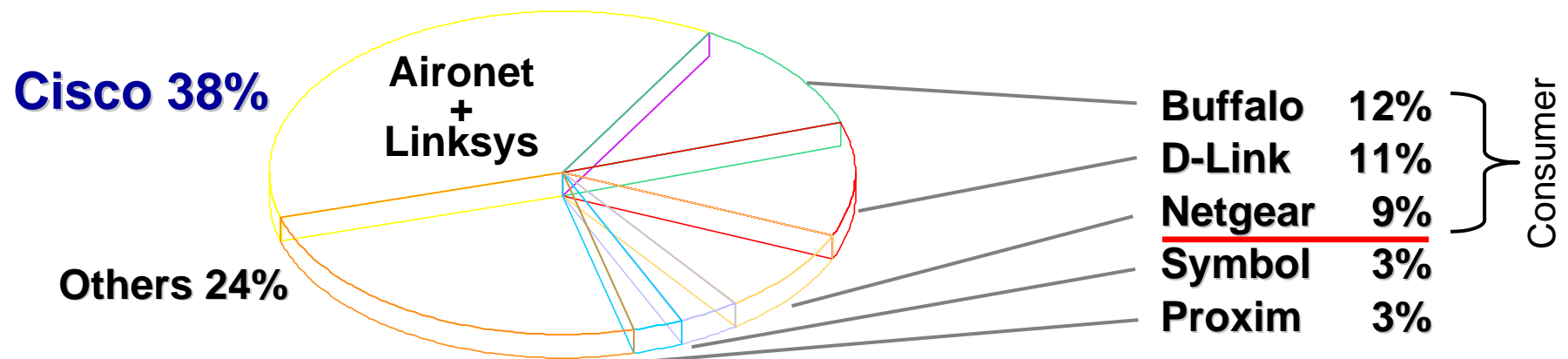
## WLAN Enterprise Infrastructure Market

(Enterprise Market, Access Points & Bridges, 802.11a + b + g)

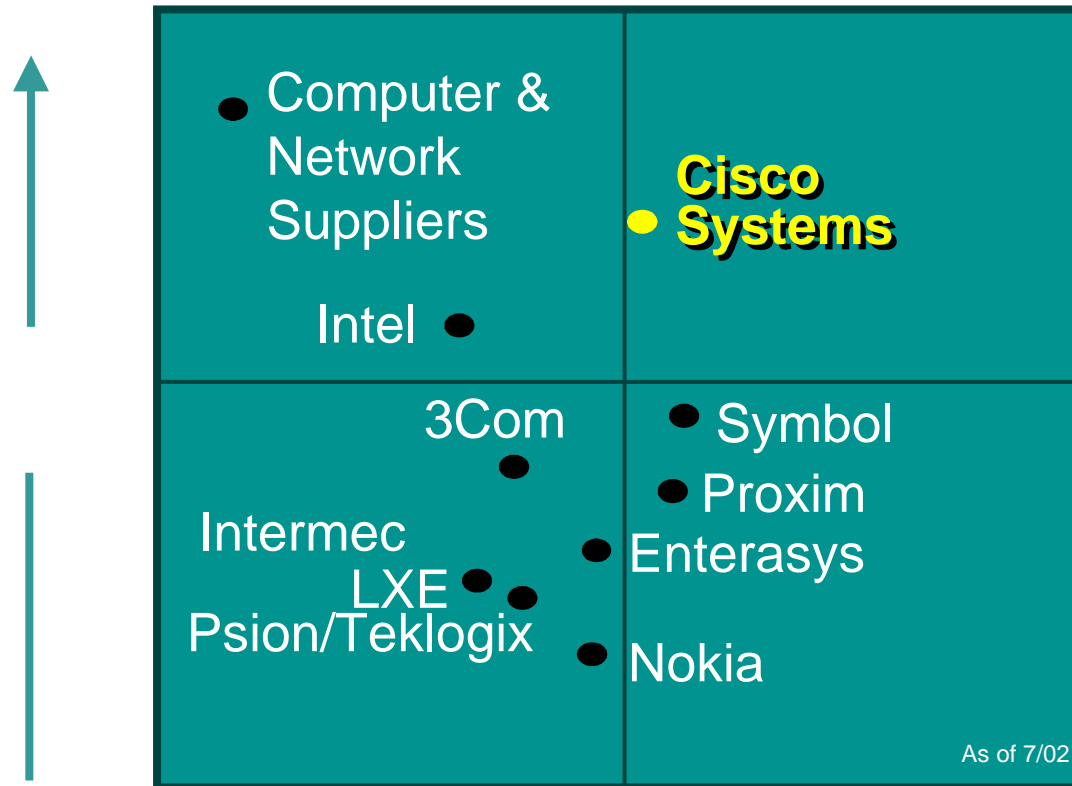


## Total WLAN Market

(Consumer + Enterprise, Infrastructure + Clients, 802.11a + b + g)



Source: Dell'Oro, May '03



***“Cisco remains the only major Enterprise class WLAN equipment supplier.”***

**Gartner, 2002**

# 1200

- (802.11b + 802.11a)  
가
- 
- 
- 
- 
- 
- 
- 

3가 :

- 802.11b-only
- 802.11a-only
- 802.11a+b

# 350 Series

- 802.11b, 2.4 GHz, 11 Mbps, 100 mW
- 1 1 & 1 多
- ,
- :  
12 dBi  
13.5 dBi  
21 dBi
- = 16+ miles @ 11 Mbps
- 2 Mbps 40km
- :  
SNMP, Telnet, FTP, HTML  
802.1d

# BR1400

- ,  
54 Mbps  
18km

- WPA, 802.1X

- IOS  
VLANs, QoS  
VoIP +

!

•

LED

## 2.4Ghz/100mW

•

•



	Cisco	S	A
	AP-1100		
(802.11b)	20dBm (100mW)	17dBm (50mW)	15dBmW (30mW)
( )	-85 dBm @ 11Mbps -94 dBm @ 1Mbps	-84 dBm @ 11Mbps -90 dBm @ 2Mbps	-80 dBm @ 11Mbps -90 dBm @ 1Mbps
Link Budget	<b>109.4 dBm</b>	<b>105.4 dBm</b>	<b>99.4 dBm</b>
(128bit WEP)	<b>~ 840KB/sec</b>	<b>~ 650KB/sec</b>	<b>~ 550KB/sec</b>
CPU	304 MIPS	?	268 MIPS



- **RF Budget**

• + 3dB =	200%
• - 3dB =	50%
• + 10dB =	1000 %
• - 10dB =	10%

<b>Cisco 11Mbps</b>	<b>A 11Mbps</b>
<b>109.4 dBm</b>	<b>99.4 dBm</b>

**A** **10** **가** **,**

# Questions?

