



Cisco 无线AP产品介绍 和订购



linzheng

Partner Helpline China Team

www.cisco.com/go/phchina

Agenda

- § 室内 AP 产品介绍
- § 常用室内AP订购和比较
- § 室外AP /网桥产品介绍
- § 室外AP/网桥订购
- § Tips

无线产品配置思路

- § 无线接入点—》无线控制器—》WCS网管和MSE
- § 按照需要管理无线接入点的数量来选择无线控制器
- § WCS按照需要管理的无线接入点数量配置license，如果需要定位功能需要配置plus license。
- § MSE除了配置硬件外还需配置服务license
 - Content Aware服务基于定位的客户端和RFID标签数量报价
 - wIPS基于工作在wIPS 监视模式下的无线接入点数量报价

思科无线Access Point

802.11a/b/g

Cisco Aironet 1130 AG Series

Cisco Aironet 1240 AG Series

802.11n

Cisco Aironet 1250 Series

Cisco Aironet 1140 Series

Cisco Aironet 1260 Series

Cisco Aironet 3500 Series

Cisco Aironet 1040 Series



Indoor AP Portfolio

Ruggedized



Carpeted



思科Cisco Aironet 1100系列无线AP

§ 1131AG是802.11a和802.11b/g固定模块双频产品

§ 1131G是802.11b/g固定模块单频产品

§ 内置天线

§ 百兆网口

§ 国内建议销售型号： 以瘦AP为例

§ AIR-LAP1131AG-C-K9

802.11ag LWAPP AP Integrated Antennas China Cnfg



思科Cisco Aironet 1100无线AP

1130产品包装里包括

- 1130 Access point无线AP
- Mounting bracket安装配件
- Documentati on文档
- AIR-PWR-A电源模块

作为备件选配，AP安装配件

AIR-AP1130MNTGKIT=

AP1130 Access Point Ceiling/Wall Mount Bracket Kit-spare

选配，If you want to use Power Injector （Power Injector 采用随AP自带的AIR-PWR-A 电源供电）

AIR-PWRINJ3 Power Injector for 1100, 1130AG, 1200 1230AG, 1240AG Series

选配，

AIR-CONCAB1200= Console Cable for 1130AG, 1200, 1230AG, 1240 Platform

思科Cisco Aironet 1240无线AP

§ 1240AG是802.11a和802.11b/g固定模块双频产品，1242G是802.11b/g单频产品

§ 外接天线

§ 百兆网口

§ 国内建议销售型号：以瘦AP为例

§ AIR-LAP1242AG-C-K9

802.11ag LWAPP AP Dual 2.4,5GHz RP-TNC China Cnfg



思科Cisco Aironet 1240无线AP

§ 1240产品包装里包括

- 1240 Access point无线AP
- Mounting plate, security hasp, pair of ceiling tile clips, and hardware accessory package装配件
- Documentati on文档
- AIR-PWR-A电源模块

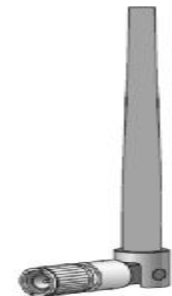
必配:

§ 天线

1240没有预配置天线，需要另外订购。每个射频模块2个RP-TNC接口。

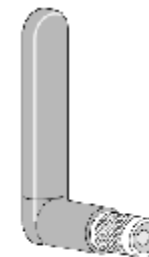
[Antennas - 2.4 GHz](#)

AIR-ANT4941 2.4 GHz, 2.2 dBi Dipole Antenna w/ RP-TNC Connect.



[Antennas - 5 GHz](#)

AIR-ANT5135D-R 5GHz 3.5dBi Black Dipole Antenna w/RP-TNC connector



思科Cisco Aironet 1240无线AP

选配:

作为备件选配, AP安装配件

AIR-AP1242MNTGKIT=

AP1240 Access Point Ceiling/Wall Mount Bracket Kit-spare

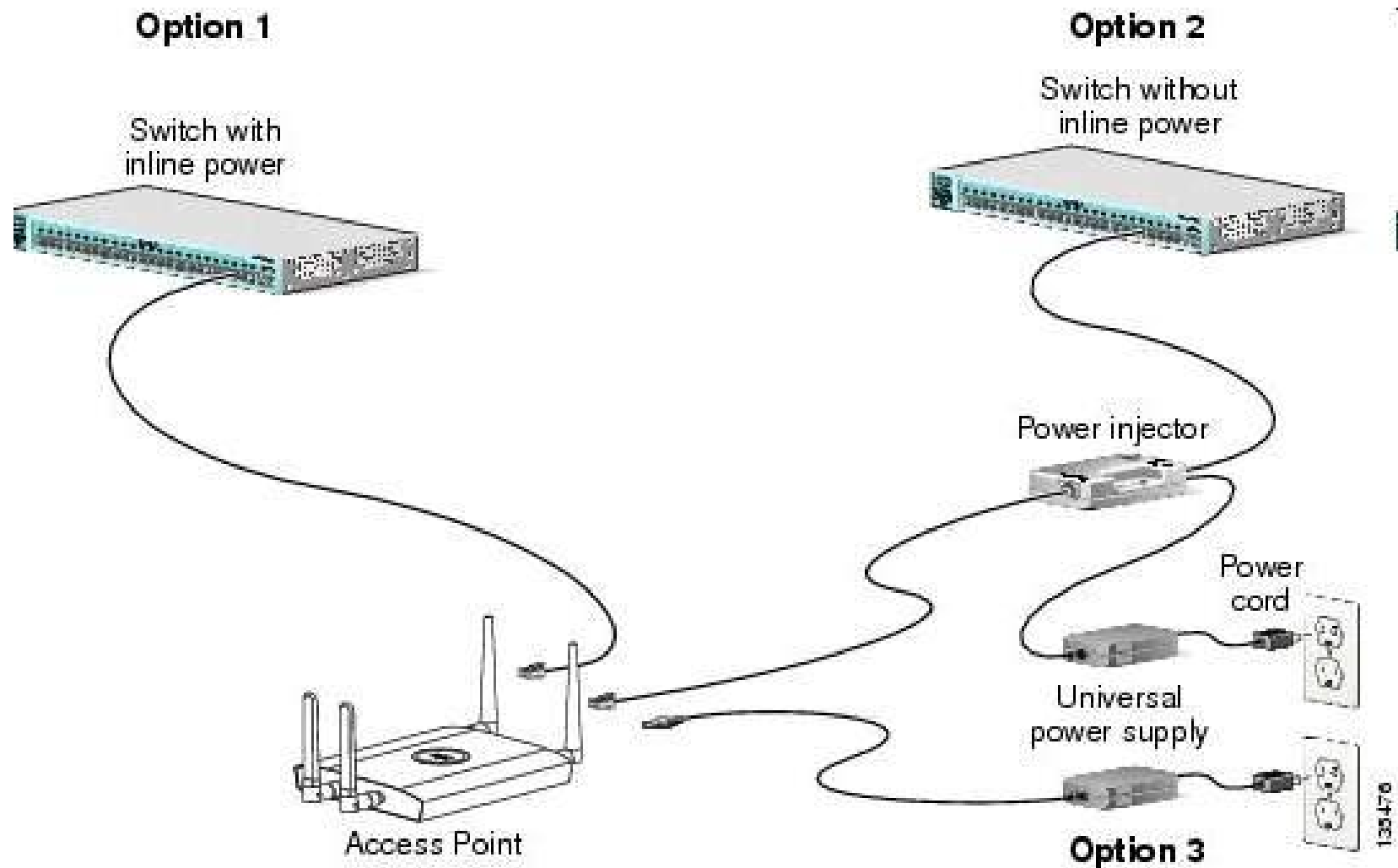
选配, If you want to use Power Injector (Power Injector 采用随AP自带的AIR-PWR-A 电源供电)

AIR-PWRINJ3 Power Injector for 1100, 1130AG, 1200 1230AG, 1240AG Series

选配,

AIR-CONCAB1200= Console Cable for 1130AG, 1200, 1230AG, 1240 Platform

1240和1131电源连接示意图



11a/g 到 11n 接入点的迁移



室内环境
内置天线



恶劣环境、复杂部署场景
外接天线



思科下一代无线网络接入点产品系列

§ Cisco Aironet 1140 Series

- 办公室环境
- 内置天线易于部署
- 采用 802.3af 供电获得802.11n的高性能
- 美观的外形设计，无缝的和环境融为一体



§ Cisco Aironet 1250 Series

- 坚固耐用型设计
- 通过外接天线，适合广泛的部署场景
- 模块化平台
- 灵活的供电选项



1140订购:

注意: 无线控制器的版本必须在5.2或以上才能支持1140

必配:

AP: AIR-LAP1142N-C-K9

802.11a/g/n Fixed Unified AP; Int Ant; China Cfg

供电:

- POE供电
- AIR-PWR-B=

Power Supply - 1140 Series; Spare

- AIR-PWRINJ4=

Power Injector - 1140 / 1250 Series; Spare

- 作为备件选配, AP安装配件

AIR-AP1140MNTGKIT= 1140 Series Ceiling, Wall Mount Bracket kit- Spare

AIR-AP1140RETROMT= 1140 Mounting kit: Fits AP to 1130 brackets, spare

1250订购:

必配:

AP: AIR-LAP1252AG-C-K9

802.11a/g/n-d2.0 2.4/5-GHz Mod Unified AP; 6 RP-TNC; Chi na

供电:

- § 1. 通过交流电源 AIR-PWR-SPLY1=
- § 2. 通过专用的单口电源注入器 AIR-PWRINJ4=
- § 3. 通过ePoE以太网供电
- § 4. 使用802.3af标准以太网供电,

但是: 1>只能启动安装了一个无线发射模块的1252, 该模块以11n的性能工作
2>或者两个无线发射模块同时工作, 但是都牺牲部分11n性能!!

§ 天线

1250没有预配置天线，需要另外订购。每个射频模块3个RP-TNC接口。

Antennas - 2.4 GHz

AIR-ANT2430V-R= 2.4-GHz 3 dBi Triple Omni Antenna 3 RP-TNC; Spare

AIR-ANT2422DW-R= 2.4-GHz 2.2 dBi White Dipole Antenna RP-TNC Qty 1;
Spare

AIR-ANT2422DG-R= 2.4-GHz 2.2 dBi Gray Straight Dipole Ant RP-TNC Qty
1; Spare

Antennas - 5 GHz

AIR-ANT5140V-R= 5-GHz 4 dBi Triple Omni Antenna 3 RP-TNC; Spare

AIR-ANT5135DW-R= 5-GHz 3.5 dBi White Dipole Antenna RP-TNC Qty 1;
Spare

AIR-ANT5135DG-R= 5-GHz 3.5 dBi Gray Straight Dipole Ant RP-TNC Qty 1;
Spare

1140 vs 1250 比较

	1140	1250
Deployment	Indoor	Ruggedized
Antennas	Integrated	External (RP-TNC)
Wired Uplink	Gigabit	Gigabit
Power Options	PoE, AC, Pwr Inj	PoE*, ePoE, AC, Pwr Inj

* 1250 runs on PoE with reduced performance

思科 Aironet 802.11n 无线接入点产品线

企业级性能

商业无线网络

富媒体应用

关键任务

Ruggedized

1260 Series



3500e with CleanAir



Carpeted

1040 Series



New

3500i with CleanAir



介绍 CleanAir 技术和产品组成

保护 802.11n 网络的性能

New!

§ CleanAir 技术采用无线接入点中内置于硅芯片内的智能频谱特性改善空气介质的质量

侦测和分类干扰源

定位问题根源

自动避免干扰

§ 为用户带来的益处

自愈和优化

故障排查取证

无线安全

策略执行



CleanAir 组件:

- 3500 系列无线接入点
- 无线网络控制器
- 移动服务引擎 (MSE)
- 无线控制系统 (WCS)

1260订购:

注意: 无线控制器的版本必须在7.0或以上才能支持1260和3500系列无线接入点

必配:

AIR-LAP1262N-C-K9

802.11a/g/n Ctrlr-based AP; Ext Ant; C Reg Domain



供电:

- § 1. 通过交流电源 AIR-PWR-B=
- § 2. 通过专用的单口电源注入器 AIR-PWRINJ4=
- § 3. 使用802.3af标准以太网供电

天线:

http://www.cisco.com/en/US/prod/collateral/wireless/ps7183/ps469/product_data_sheet09186a008022b11b_ps5861_Products_Data_Sheet.html

3500订购:

必配:

AIR-CAP3502E-C-K9

802.11a/g/n Ctrlr-based AP w/CleanAir; Ext Ant; C Reg Domain

AIR-CAP3502I-C-K9

802.11a/g/n Ctrlr-based AP w/CleanAir; Int Ant; C Reg Domain

供电:








- § 1. 通过交流电源 AIR-PWR-B=
- § 2. 通过专用的单口电源注入器 AIR-PWRINJ4=
- § 3. 使用802.3af标准以太网供电

天线:

http://www.cisco.com/en/US/prod/collateral/wireless/ps7183/ps469/product_data_sheet09186a008022b11b_ps5861_Products_Data_Sheet.html




Aironet Indoor Access Point Comparison

	AP 1130 	AP 1140 	AP 3500i 	AP 1240 	AP 1250 	1260 	3500e 
Integrated CleanAir	No	No	Yes	No	No	No	Yes
Data Uplink (Mbps)	10/100	10/100/1000	10/100/1000	10/100	10/100/1000	10/100/1000	10/100/1000
Power Requirement	802.3af	802.3af	802.3af	802.3af	E-PoE 802.3af*	802.3af	802.3af
Installation	Carpeted	Carpeted	Carpeted	Rugged	Rugged	Rugged	Rugged
Temp Range	0 to +40° C	0 to +40° C	0 to +40° C	-20 to +55° C	-20 to +55° C	-20 to +55° C	-20 to +55° C
Antennas	Internal	Internal	Internal	External	External	External	External
Wi-Fi standards	a/b/g	a/b/g/n	a/b/g/n	a/b/g	a/b/g/n	a/b/g/n	a/b/g/n
DRAM	32 MB	128 MB	128 MB	32 MB	64 MB	128 MB	128 MB
Flash	16 MB	32 MB	32 MB	16 MB	32 MB	32 MB	32 MB

*802.3af fully powers single radio AP1250 or provides 1x3 performance on a dual radio 1250

Aironet Indoor Access Point Comparison

	AP 1130 	AP 1140 	AP 3500i 	AP 1240 	AP 1250 	AP 1260 	AP 3500e 
ClientLink	No	Yes	Yes	No	Yes	Yes	Yes
Bandselect	No	Yes	Yes	No	Yes	Yes	Yes
Videostream	No	Yes	Yes	No	Yes	Yes	Yes
Office-extend	Yes	Yes	Yes	No	No	No	No
DFS	0.8μs	0.8μs	0.5μs	0.8μs	0.8μs	0.5μs	0.5μs
Standalone	Yes	Yes	No	Yes	Yes	Yes	No
Controller-based	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Monitor Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WIPS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HREAP	Yes	Yes	Yes	Yes	Yes	Yes	Yes

思科BR1400网桥

§ 802.11a远距离室外无线网桥产品

- § AIR-BR1410A-A-K9 \$7,499 (内置22.5dBi天线)
- AIR-BR1410A-A-K9-N \$7,499 (另外订购天线, N天线接口)

§ 包装内包括

Power Injector LR

Multi Function Mount

20' and 50' length of dual RG-6 cable

Power supply and cord

Coaxial sealant for all exposed connectors

Corrosion proof gel for exposed metal surface



供电模块和电源都包括在包装里, 不需要另外订购

思科BR1300无线接入点/网桥

§ 802.11b/g园区室外无线网桥产品

§ AIR-BR1310G-A-K9 \$1,949（内置13.5dBi天线）

§ AIR-BR1310G-A-K9-R \$1,949（另外订购天线，RP-TNC接口）

§ AIR-LAP1310G-A-K9 \$1,949（内置13.5dBi天线）

§ AIR-LAP1310G-A-K9R \$1,949（另外订购天线，RP-TNC接口）

AIR-PWRINJ-BLR2/LR2T

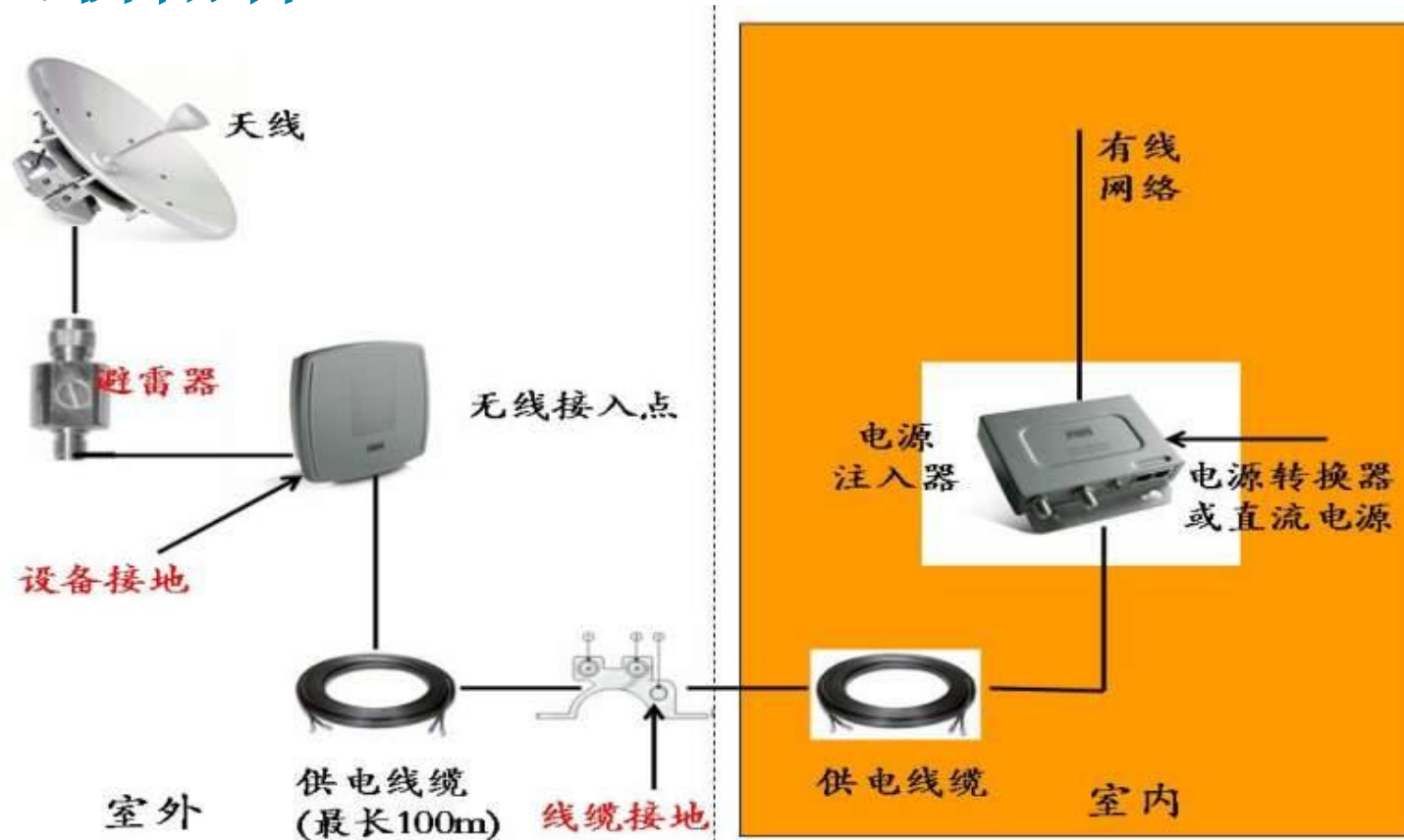


BR1300



供电模块和电源都包括在包装里，不需要另外订购

室外网桥附件



必配, 天线避雷				
AIR-ACC245LA-R	2.4 and 5 GHz Lightning Arrester, RP-TNC Connector	1	\$314	天线避雷器(不适用N型接口的设备)
必配, 接地模块				
AIR-ACCBRGB=	Aironet 1400 Series Grounding Block	1	\$29	接地模块 (1310、1410适用)

1310订购:

LAP: AIR-LAP1310G-A-K9 802.11g LWAPP AP Int. Antenna FCC Cnfg

AIR-LAP1310G-A-K9R 802.11g LWAPP AP w/RP-TNC connectors, FCC Cnfg

Ships with:

- Power cord (configurable)

- 100 to 240 VAC power supply (AIR-PWR-A=) providing 48 VDC to the power injector

- 48 VDC power injector (AIR-PWRINJ-BLR2=)

- 1-ft dual RG-6 cable assembly (Ethernet uplink from power injector)

单独配置

Roof Mount Kit (AIR-ACCRMK1300=) and Wall Mount Kit (AIR-ACCWAMK1300=) available separately

12 to 40 VDC power Injector (AIR-PWRINJ-BLR2T=) for use with DC power supply installations available separately

Antennas available separately

Optional Antenna Cable for 1300 Series AP

AIR-CAB005LL-R	5 ft Low Loss RF cable w/RP-TNC connectors
AIR-CAB020LL-R	20 ft LOW LOSS CABLE ASSEMBLY W/RP-TNC CONNECTORS
AIR-CAB050LL-R	50 ft. LOW LOSS CABLE ASSEMBLY W/RP-TNC CONNECTORS
AIR-CAB100ULL-R	100 ft. ULTRA LOW LOSS CABLE ASSEMBLY W/RP-TNC CONNECTORS
AIR-CAB150ULL-R	150 ft. ULTRA LOW LOSS CABLE ASSEMBLY W/RP-TNC CONNECTORS

Optional Cable for 1300 Series AP (From ODU to Injector)

AIR-CAB020DRG6-F=	20 ft Dual RG-6 Cable Assembly w/F-Type Connectors Spare
AIR-CAB050DRG6-F=	50 ft Dual RG-6 Cable Assembly w/F-Type Connectors Spare
AIR-CAB100DRG6-F	100 ft Dual RG-6 Cable Assembly w/F-Type Connectors

Optional 12 to 40 VDC power Injector used by vehicle	
AIR-PWRINJ-BLR2T=	AIRONET 1300 POWER INJECTOR - LR2T
必配, 天线避雷	
AIR-ACC245LA-R	2.4 and 5 GHz Lightning Arrestor, RP-TNC Connector
必配, 接地模块	
AIR-ACCBRGB=	Aironet 1400 Series Grounding Block

如果**1300**的**power injector**损坏, 需要订购 :

AIR-PWRINJ-BLR2=	AIRONET 1300 POWER INJECTOR - LR2
AIR-PWR-A=	Pwr Sply In:100-240VAC Out:48VDC 380mA-1100,1130AG,1200,1300

天线

http://www.cisco.com/en/US/prod/collateral/wireless/ps7183/ps469/product_data_sheet09186a008022b11b_ps5861_Products_Data_Sheet.html

Tips



如有后续问题，欢迎各位登录
以下链接提问：

www.cisco.com/go/phchina



