

الشبكات اللاسلكية وتطبيقاتها

Wireless Networks

القسم الأول: الشبكات اللاسلكية

سرعة نقل البيانات

القسم الثاني: وسط الإرسال السلكي واللاسلكي

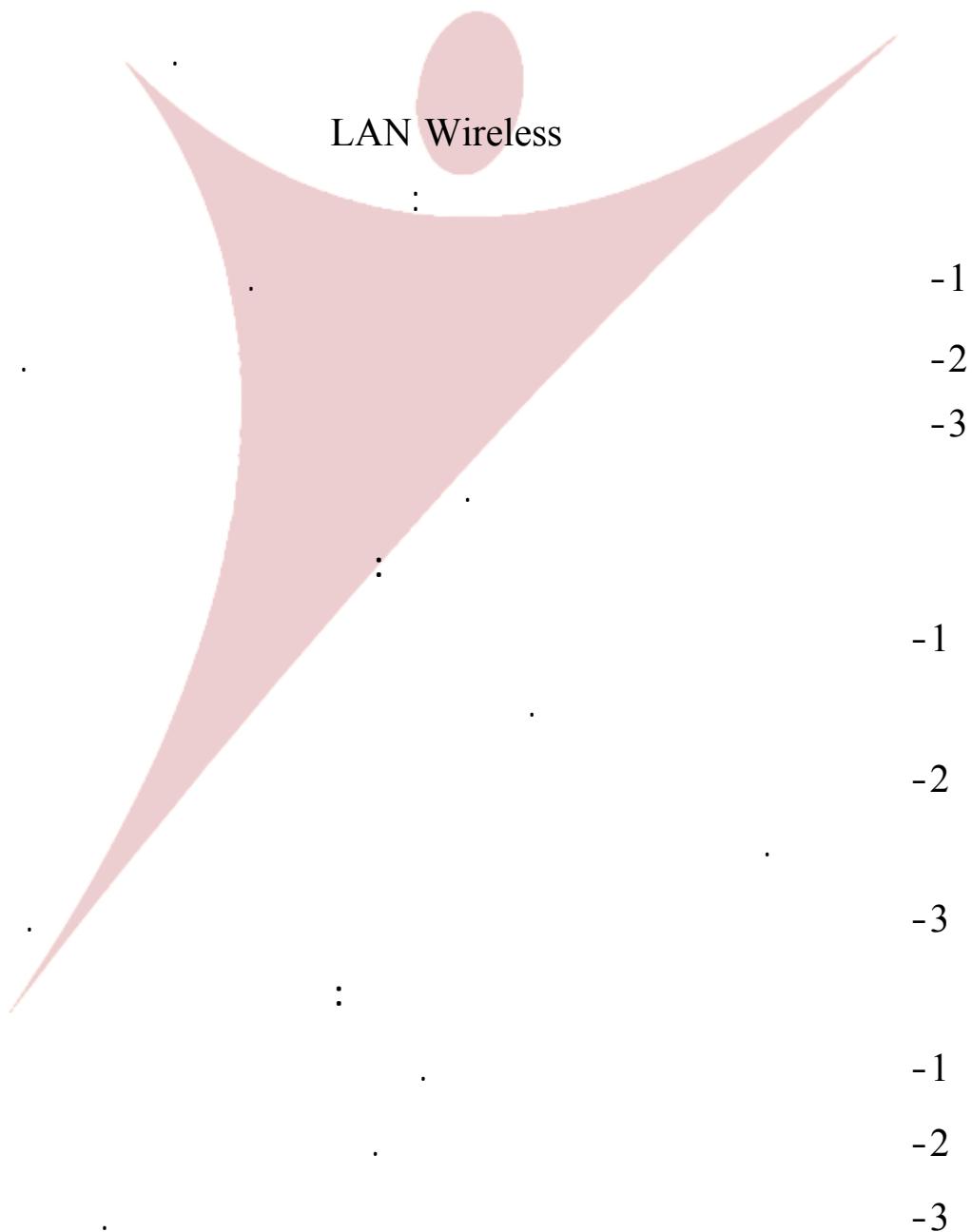
القسم الثالث: الشبكة الảoمنة VPN

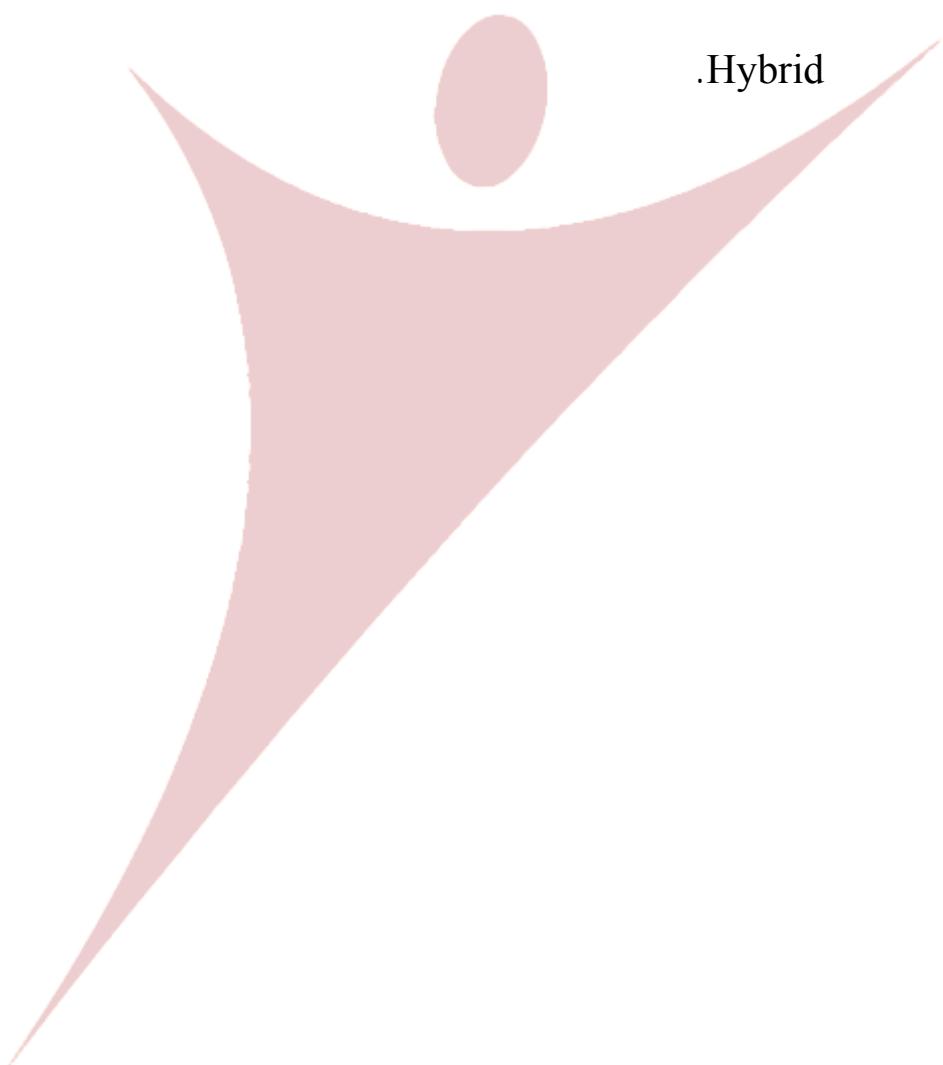
VPN

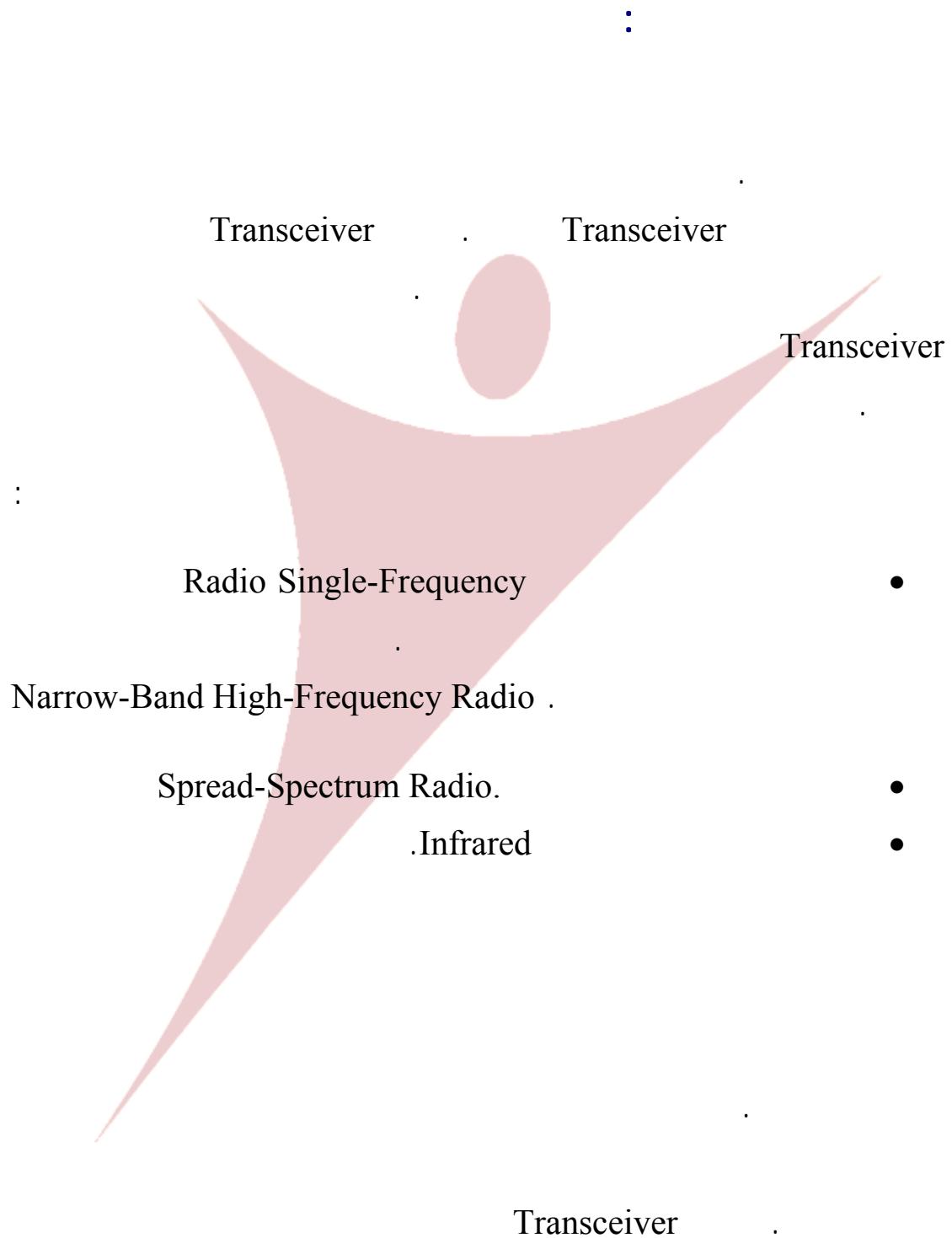
VPN

القسم الرابع: أمن الشبكات اللاسلكية

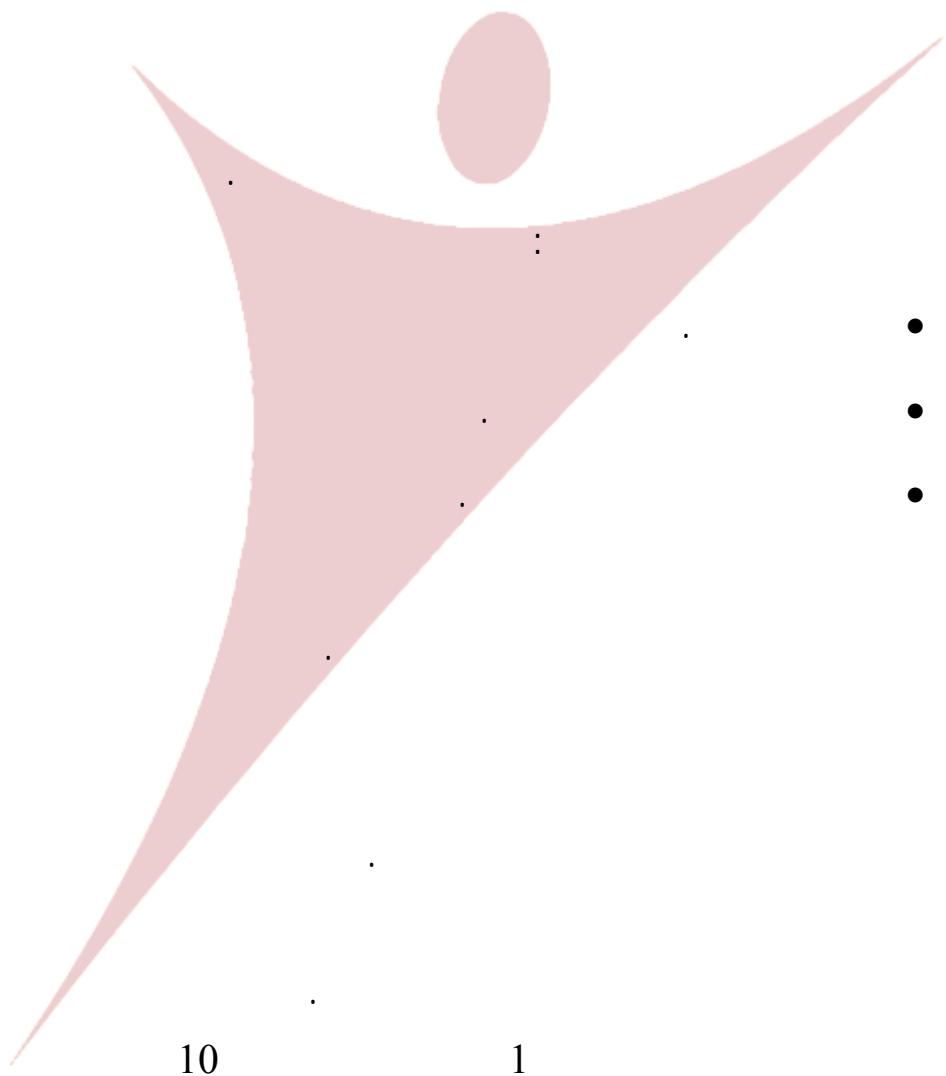
القسم الأول: الشبكات اللاسلكية



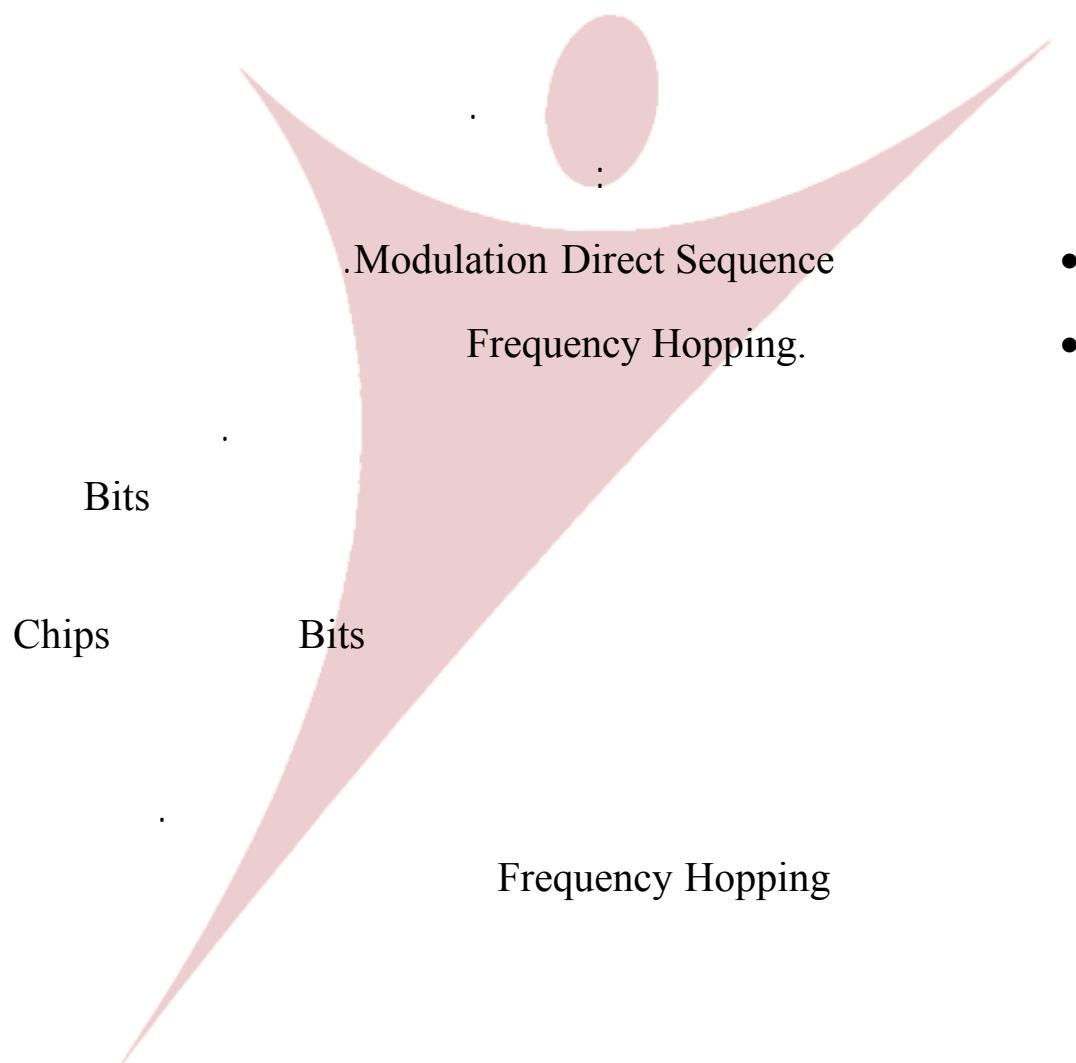




Radio Single-Frequency
Radio Frequency Range
(RF)

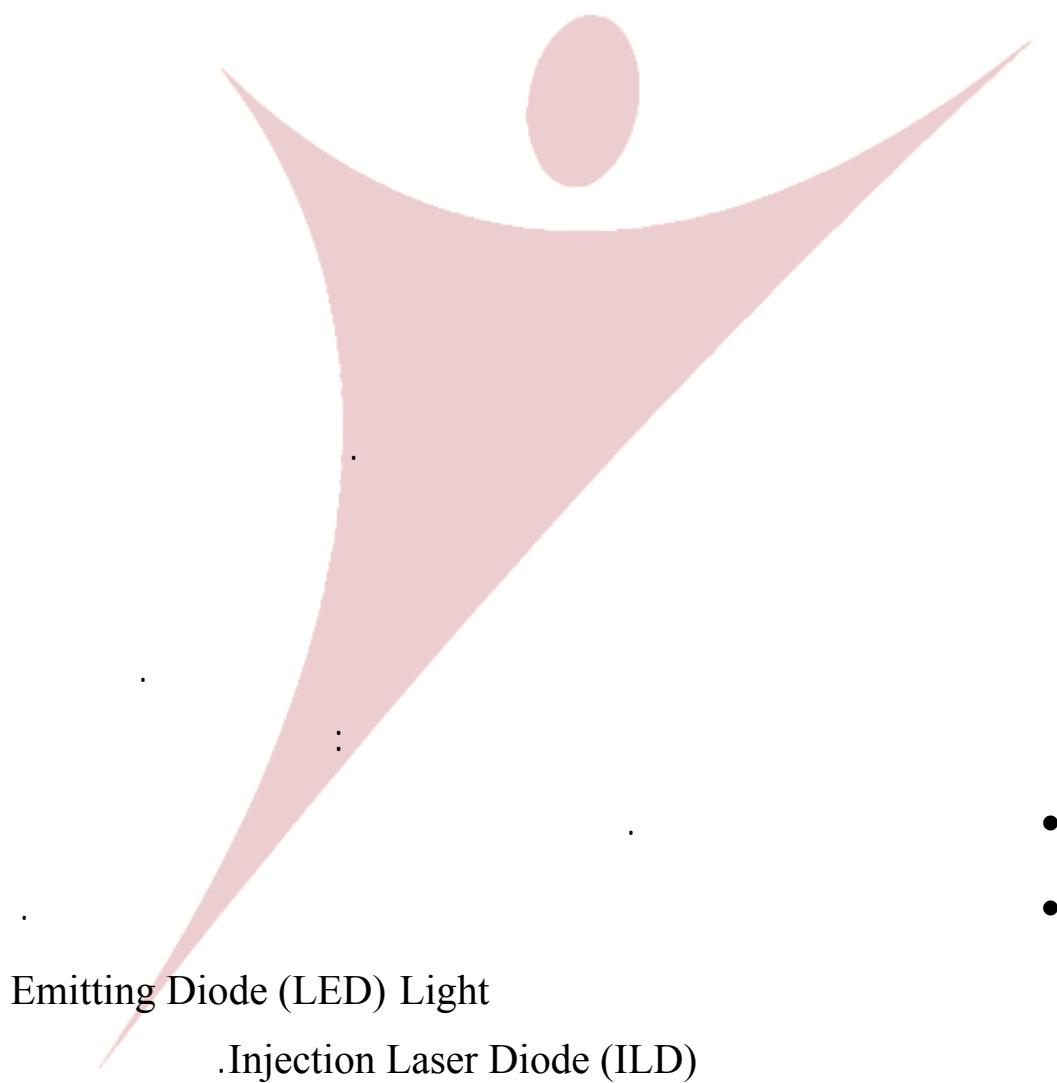


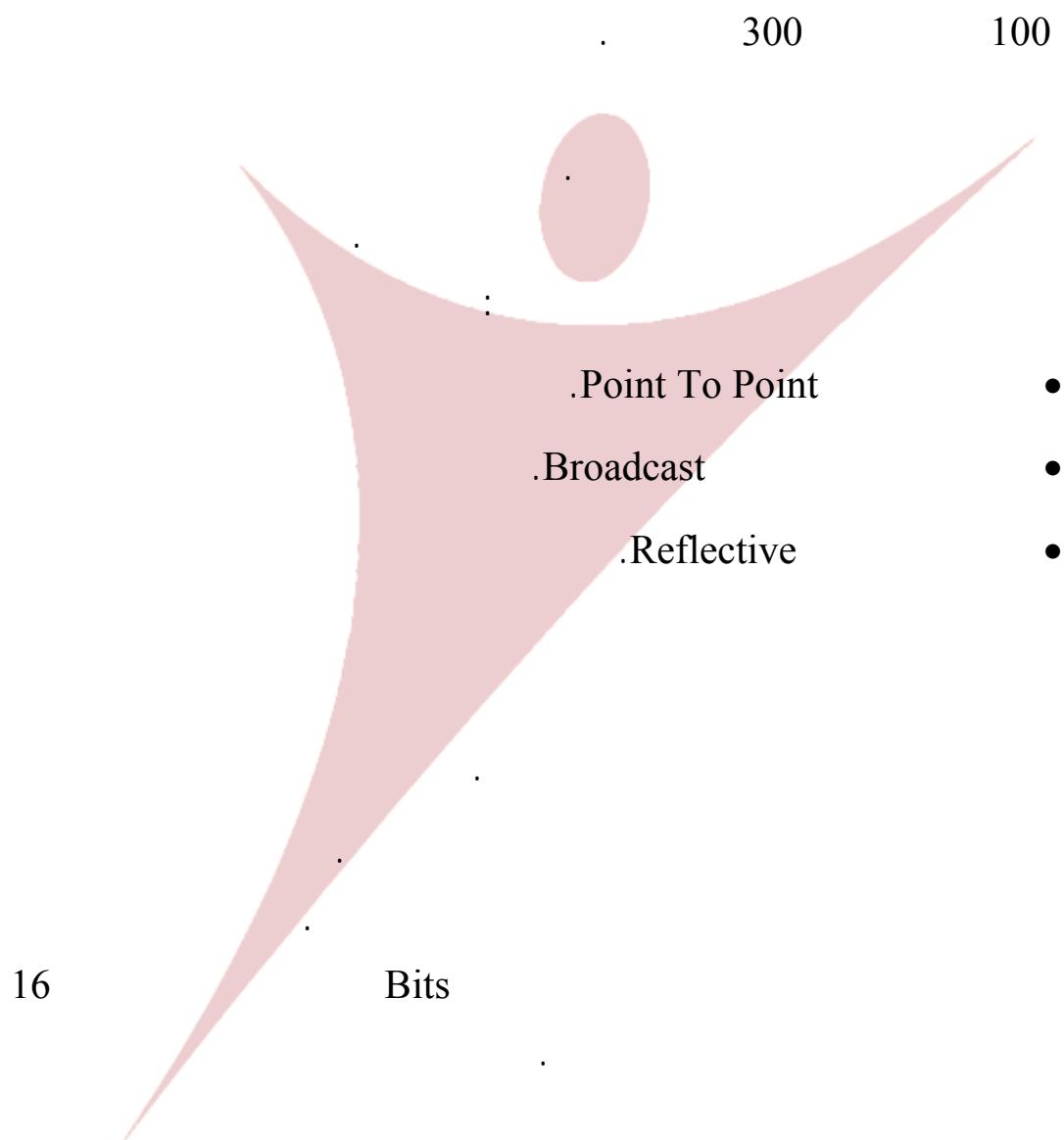
Spread-Spectrum Radio





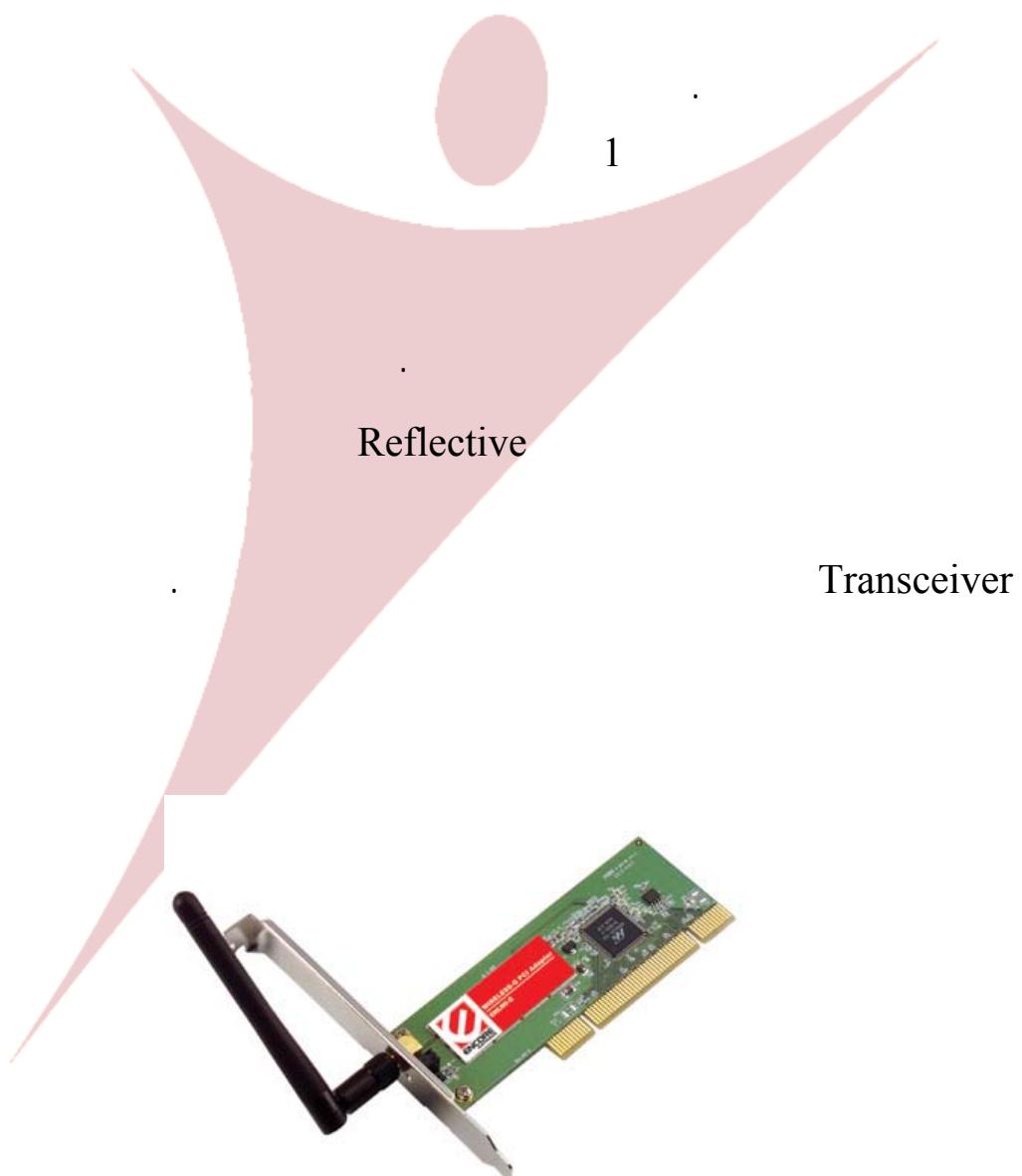
6 2





Scatter

. Infrared Networks



Access

3

hub

Point.

switch

Wireless D-Link USB



: Wireless D-Link USB Adapter DWL 120,

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USB

PCI

11

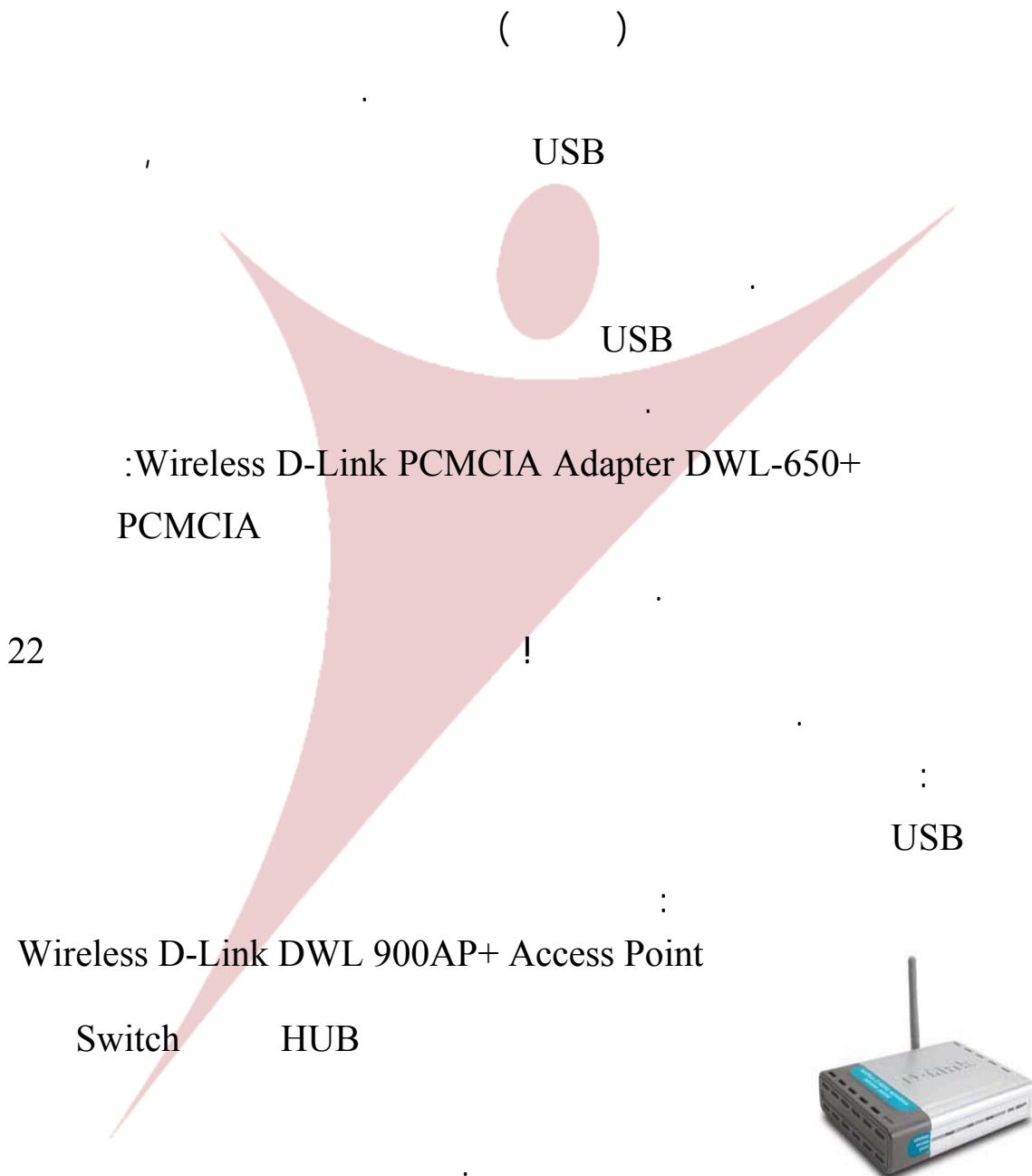
USB

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10

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hub



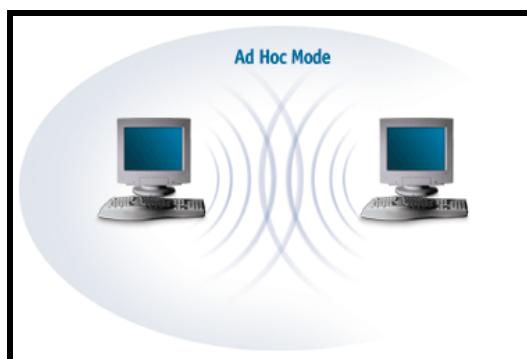
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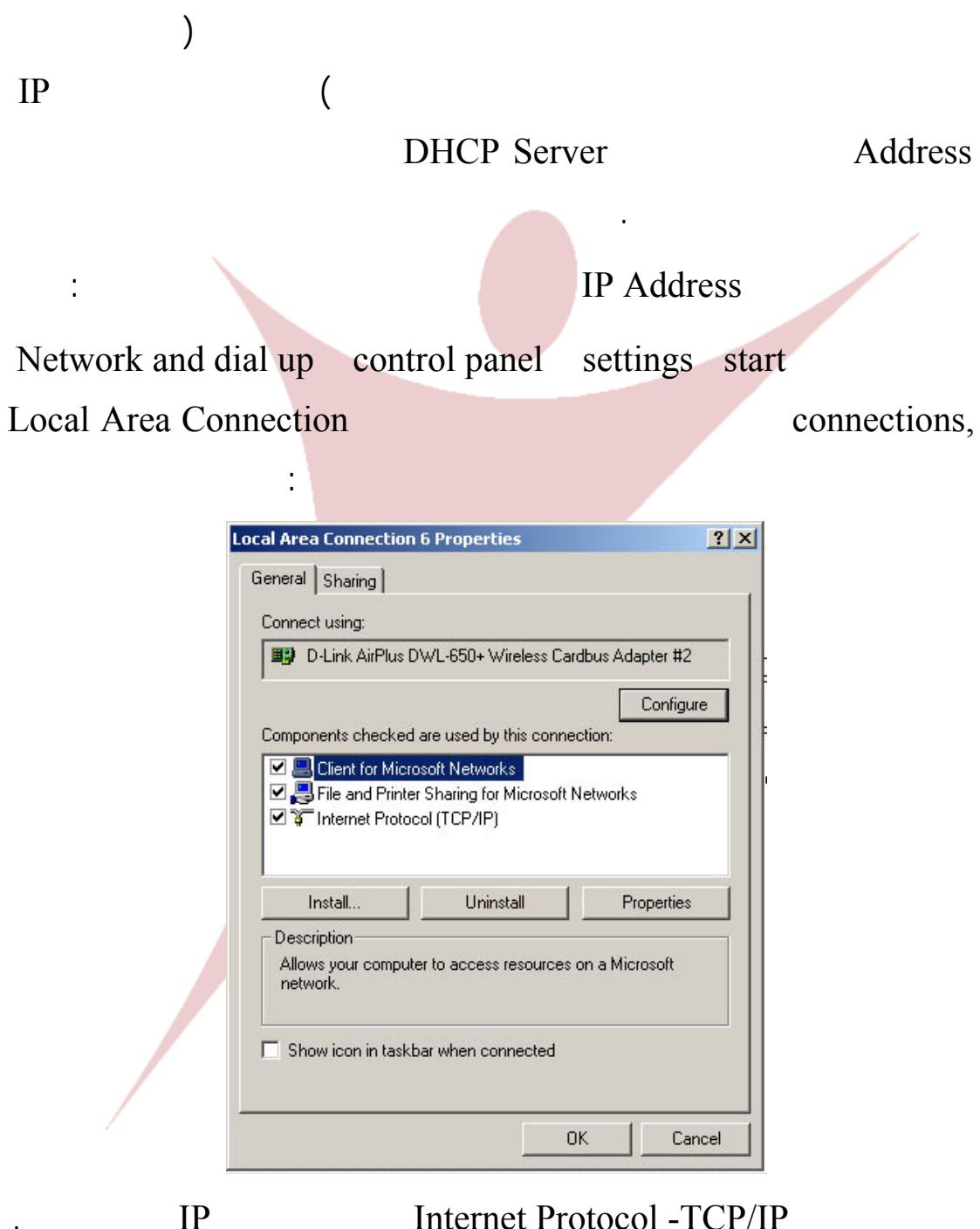
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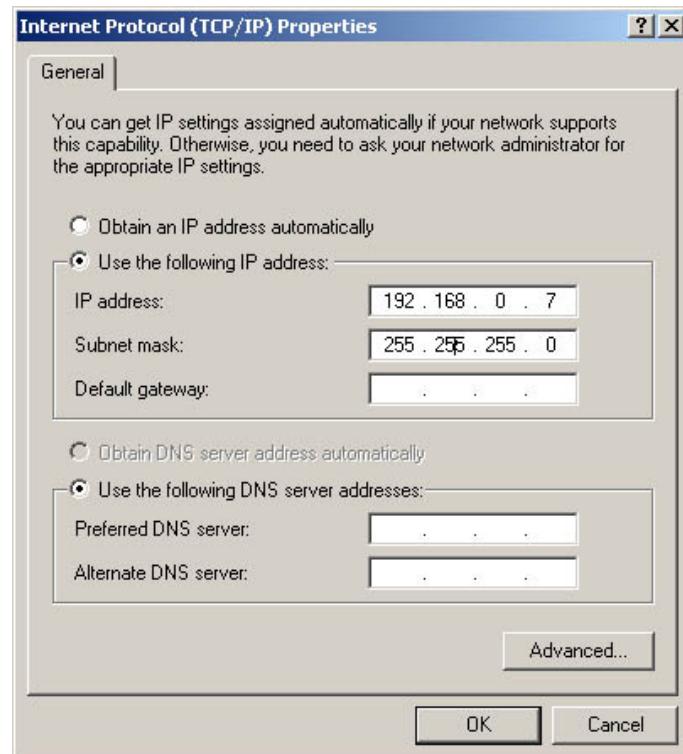
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Infrastructure Mode

Ad Hoc





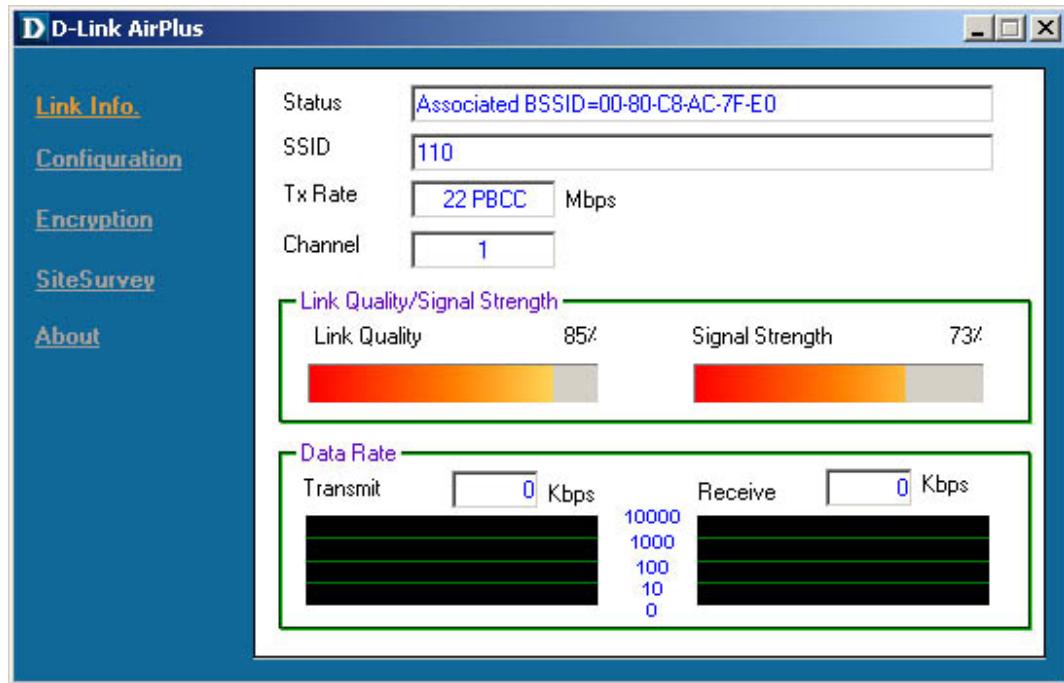


IP

OK

192.168.0.8

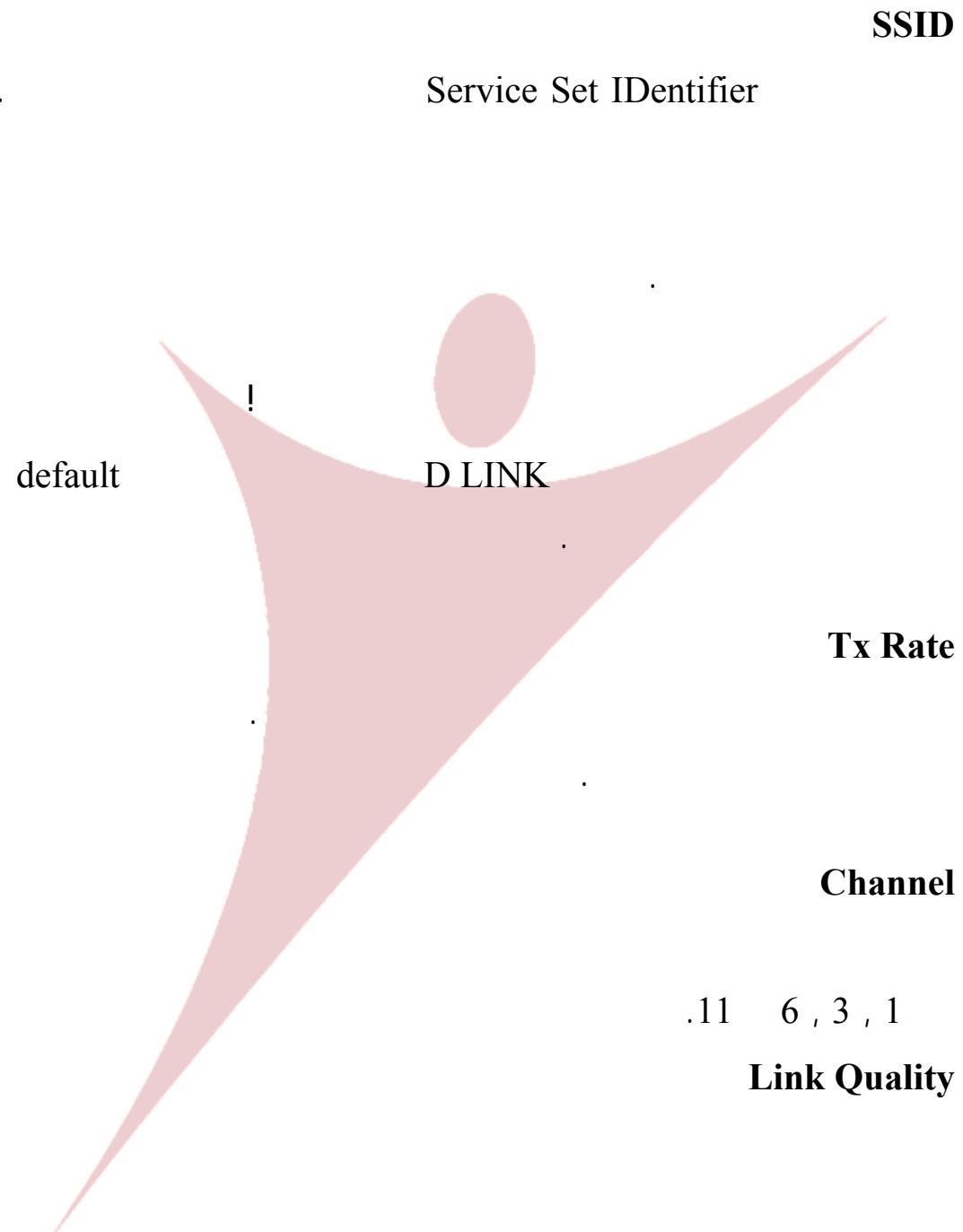
IP



Status : Associated BSSID=00-08-C8-AC-7F-E0

00-08-C8-AC-7F-E0 : MAC Address

Media Access Control Address MAC Address



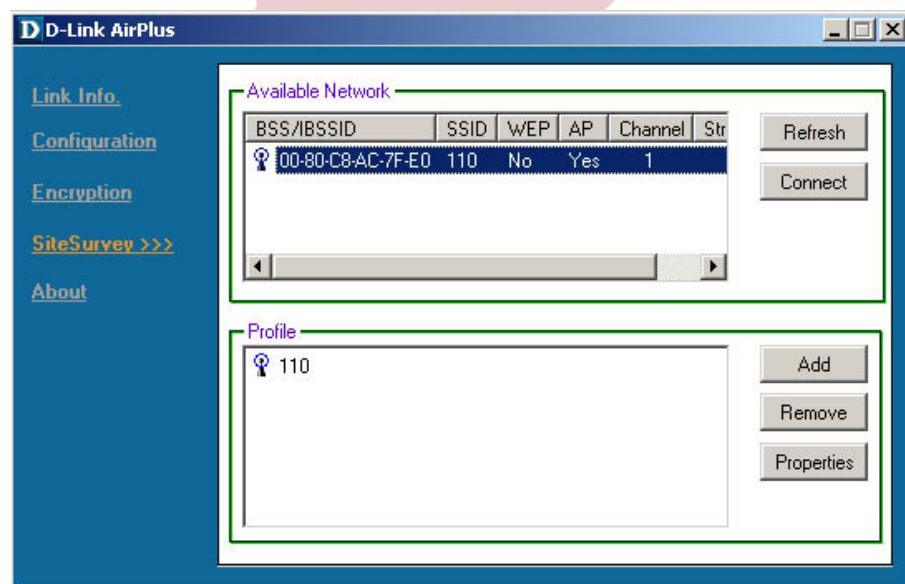
Signal Strength

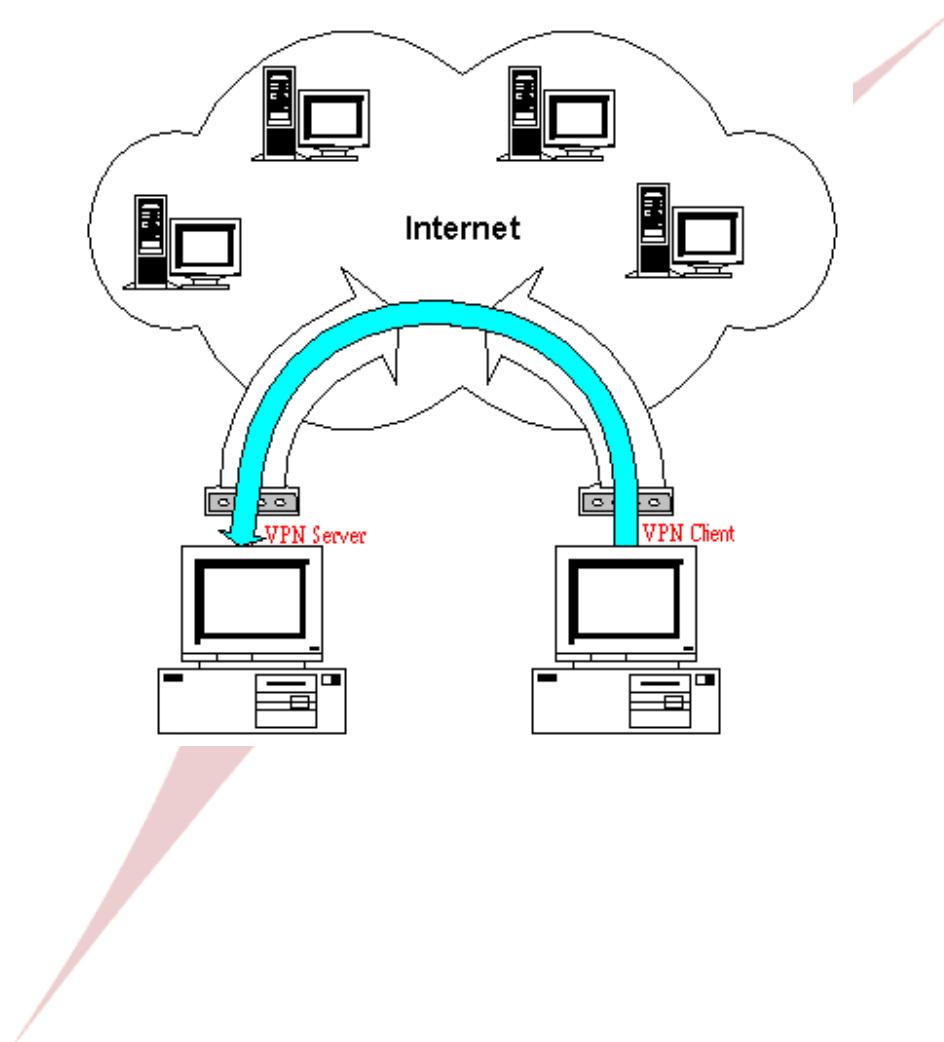
Data Rate

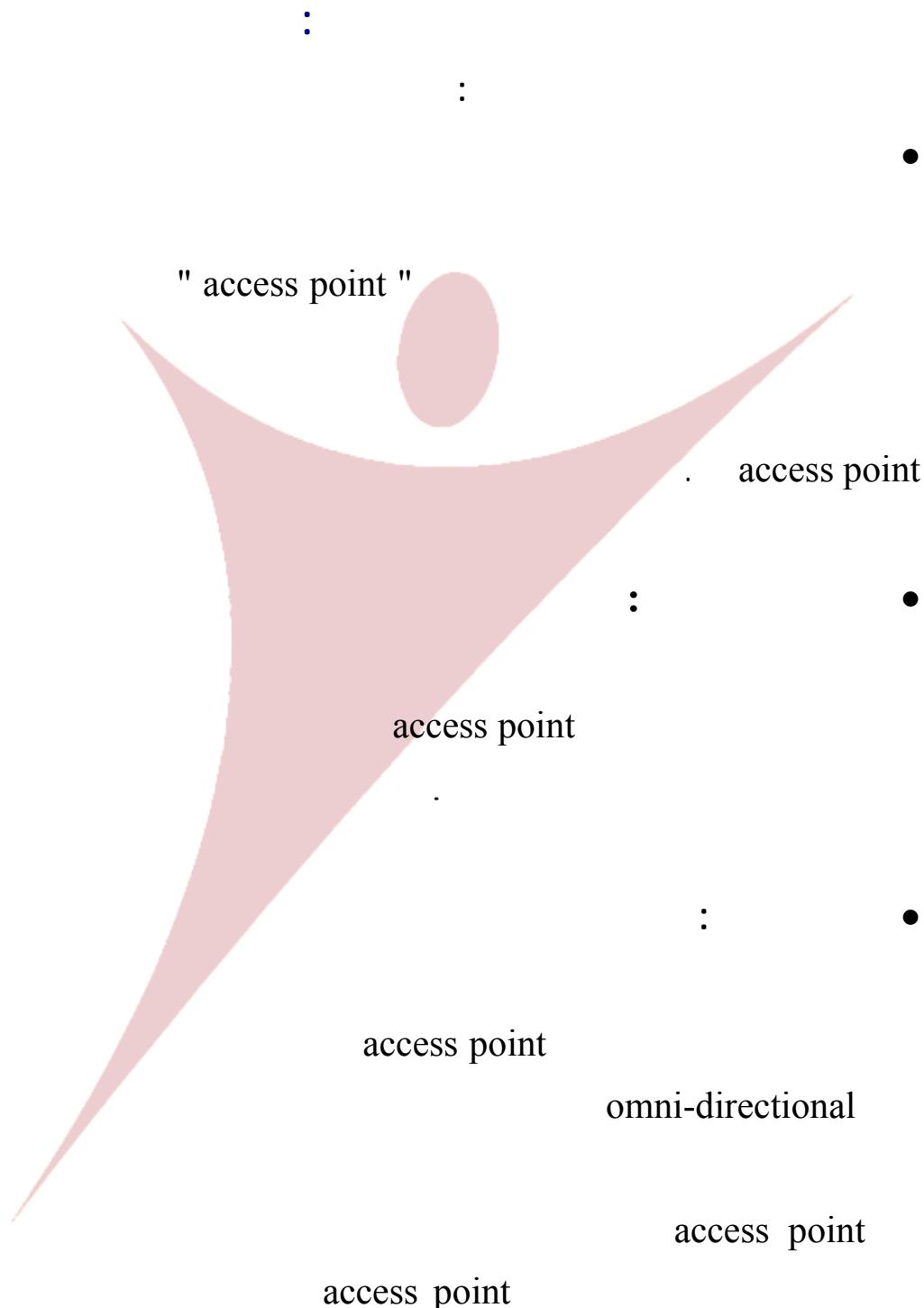
SiteSurvey

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Connect







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: " Wireless Repeater "

Wireless Repeater

Access Point

11

Access Point

Access Point

g b

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Access Point

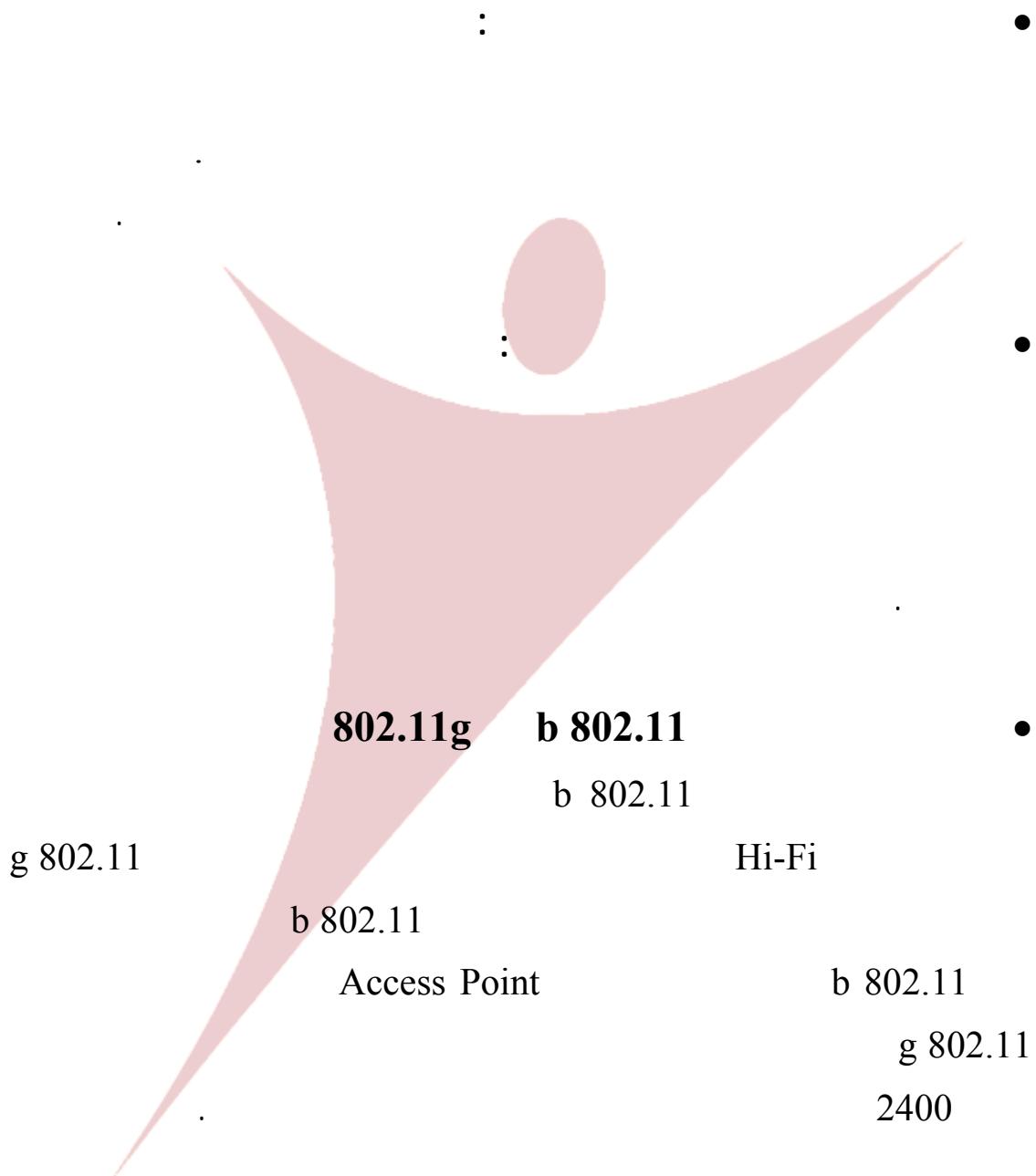
2400

5000

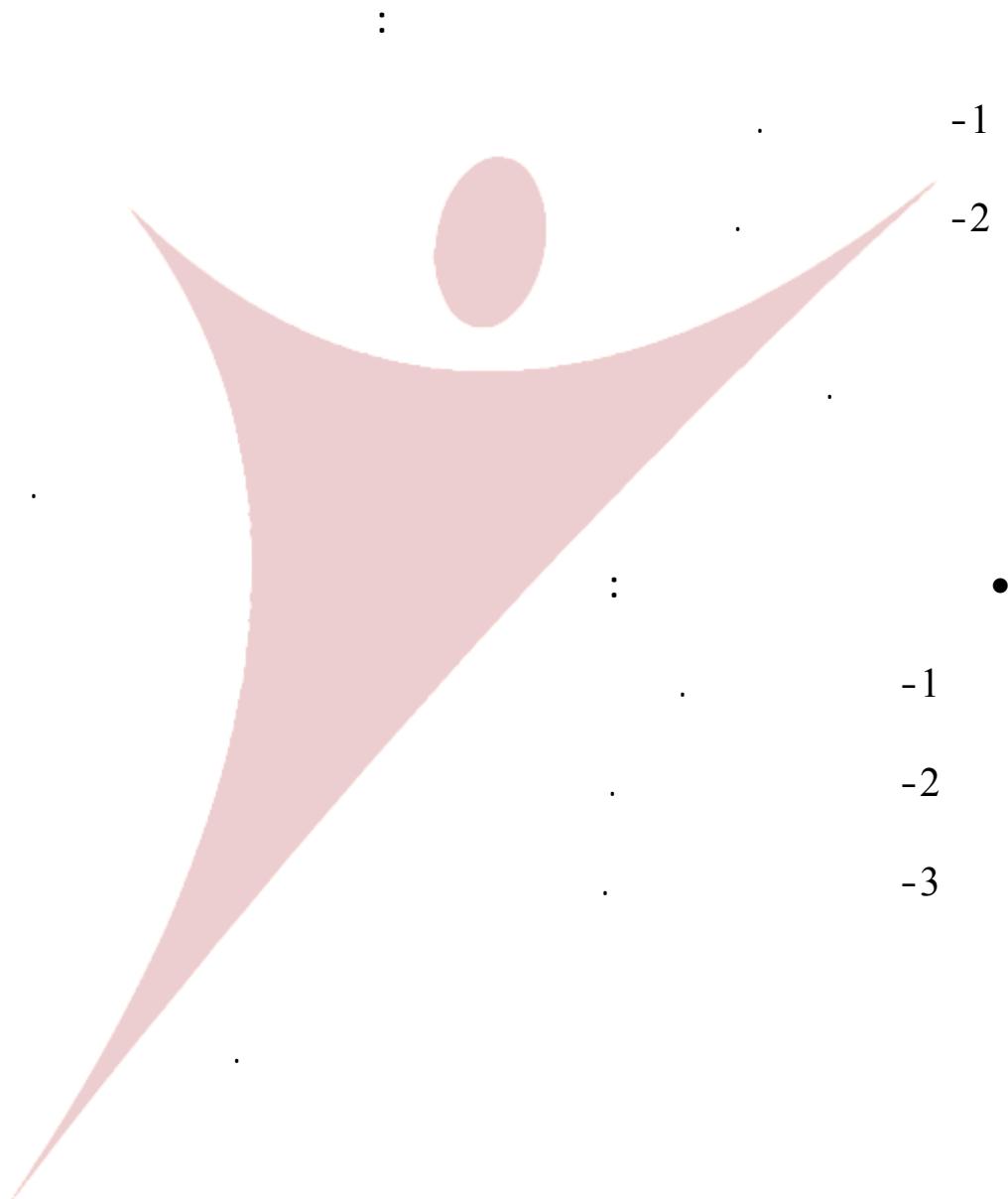
" noise "

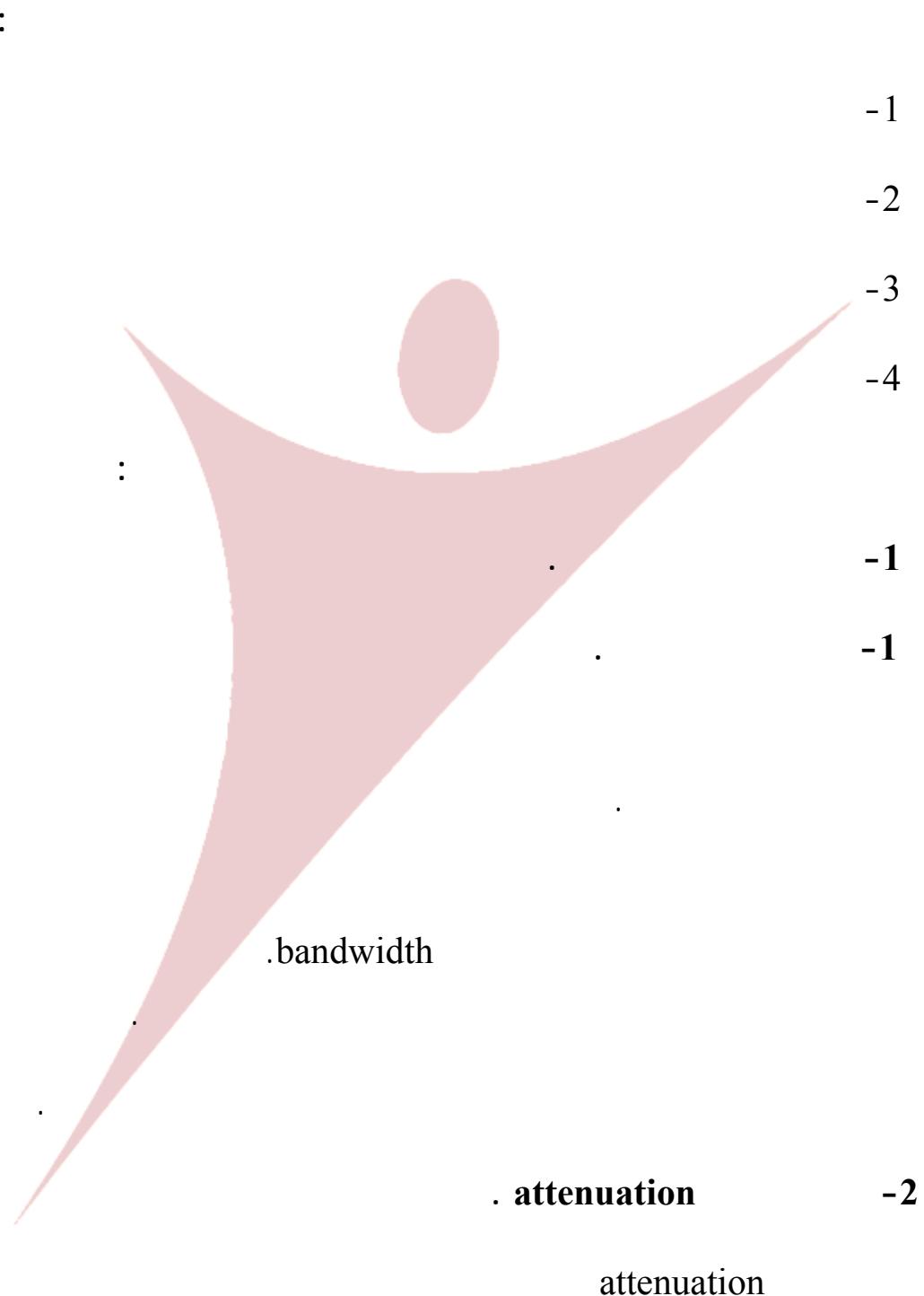
Access Point

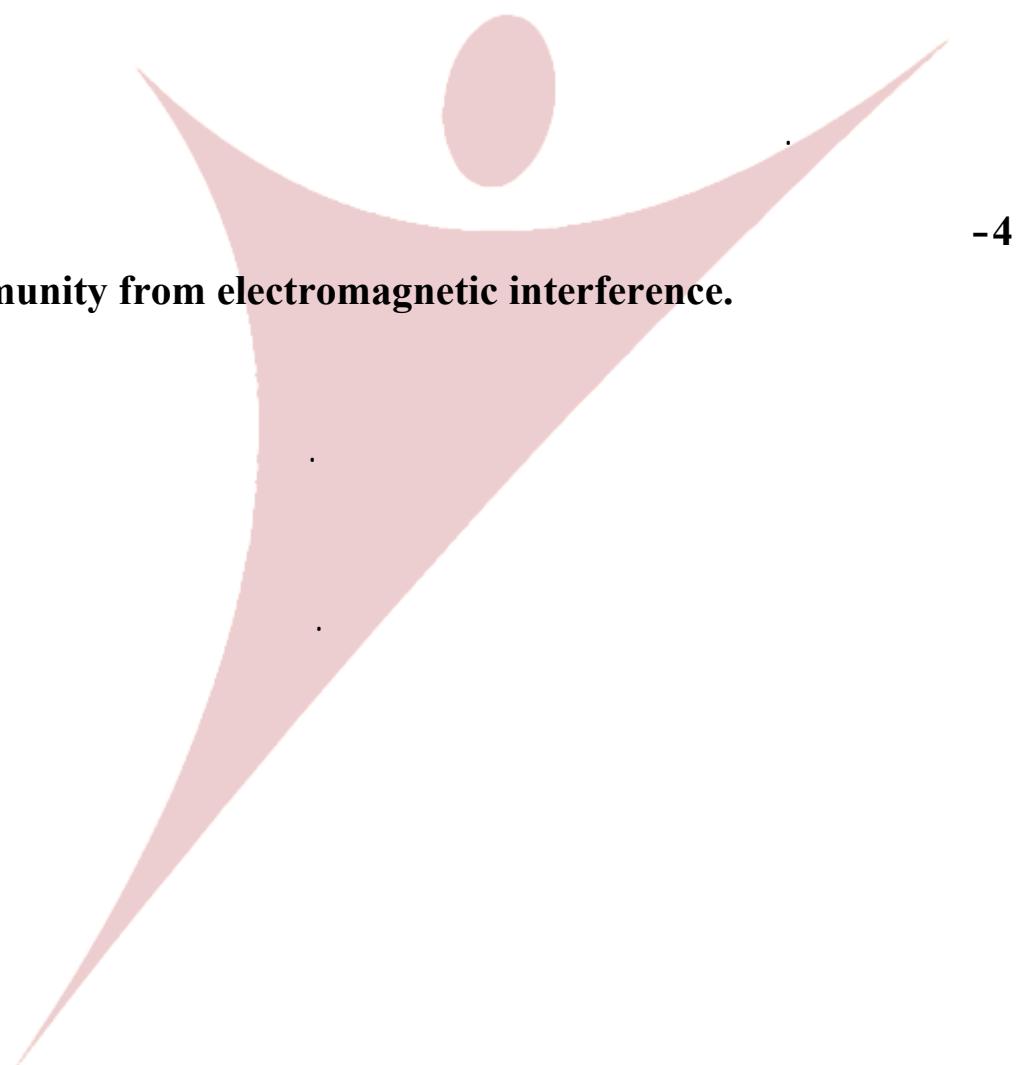
Access Point



القسم الثاني: وسط الإرسال السلكي واللاسلكي



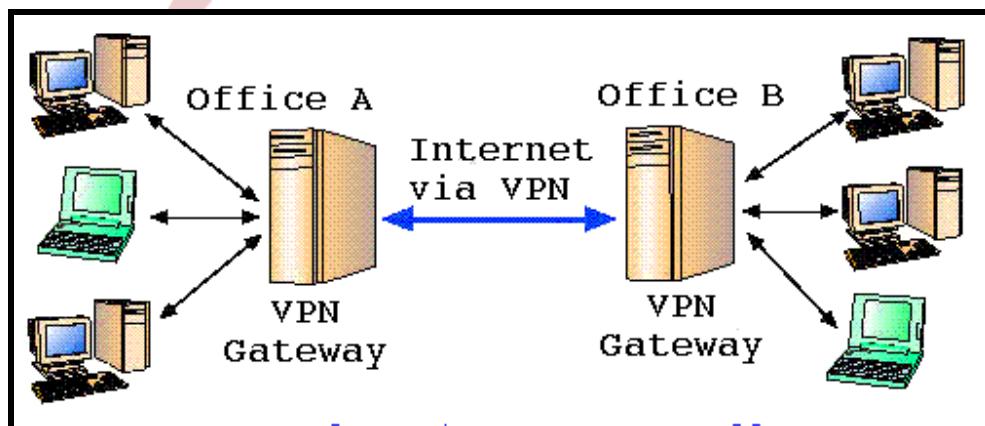
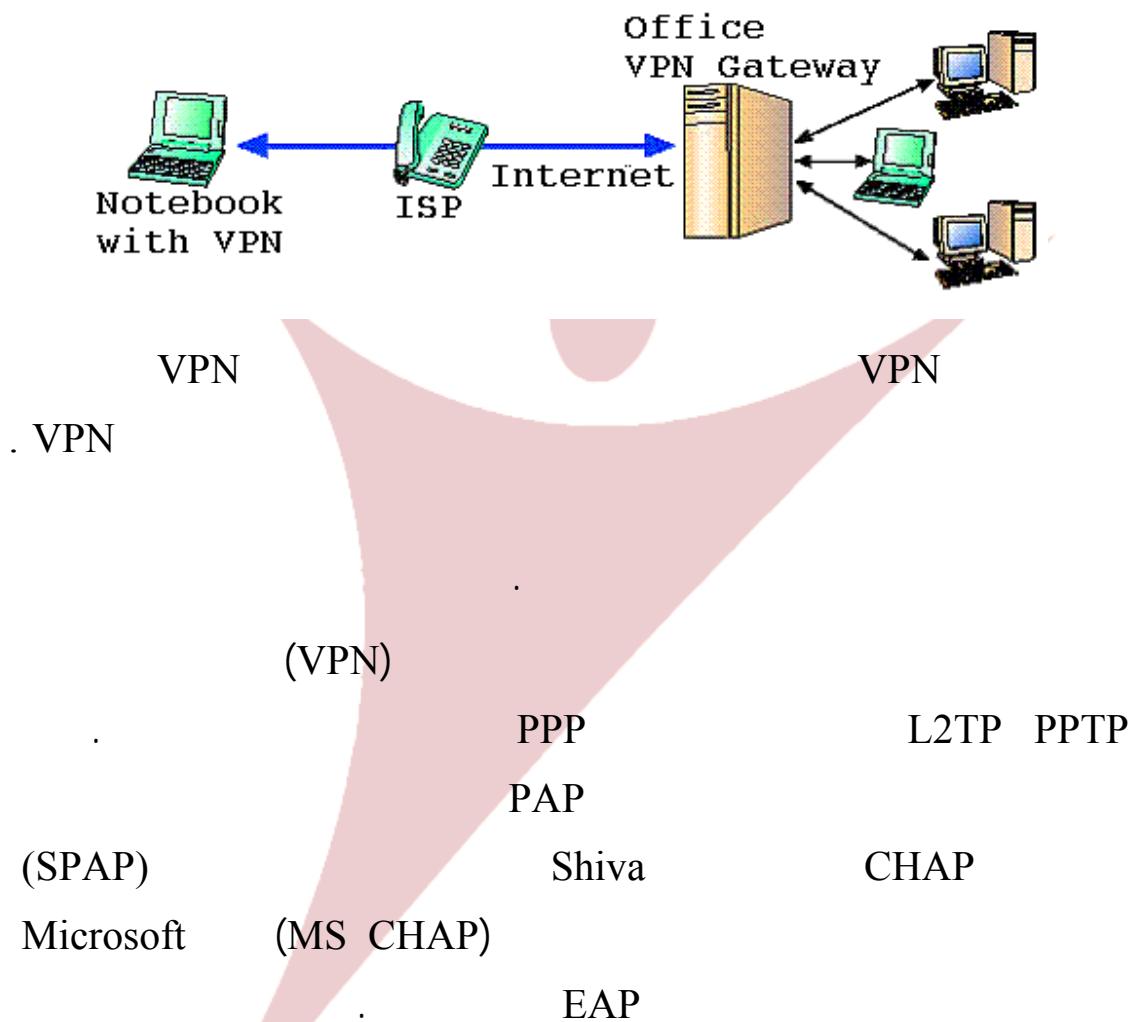


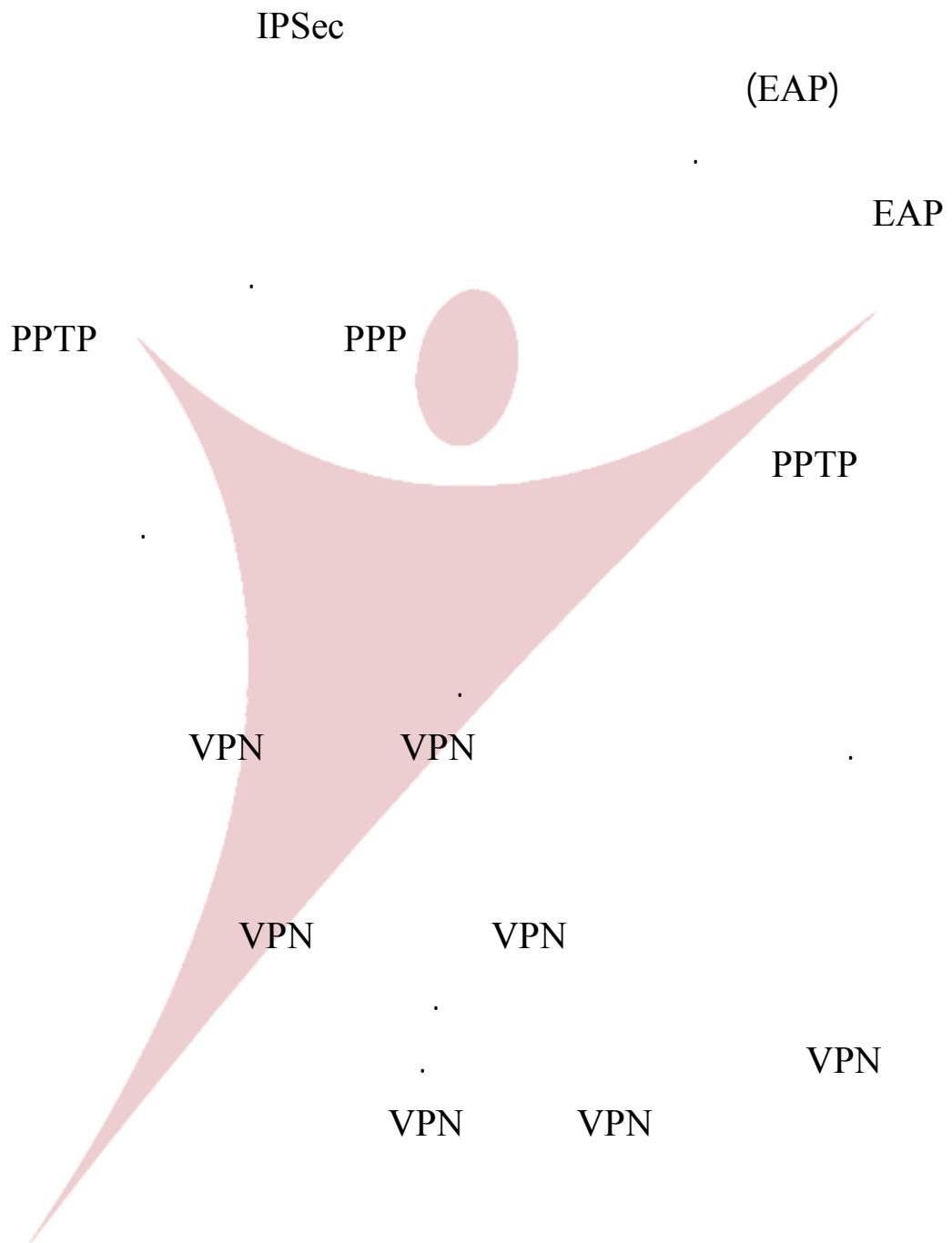


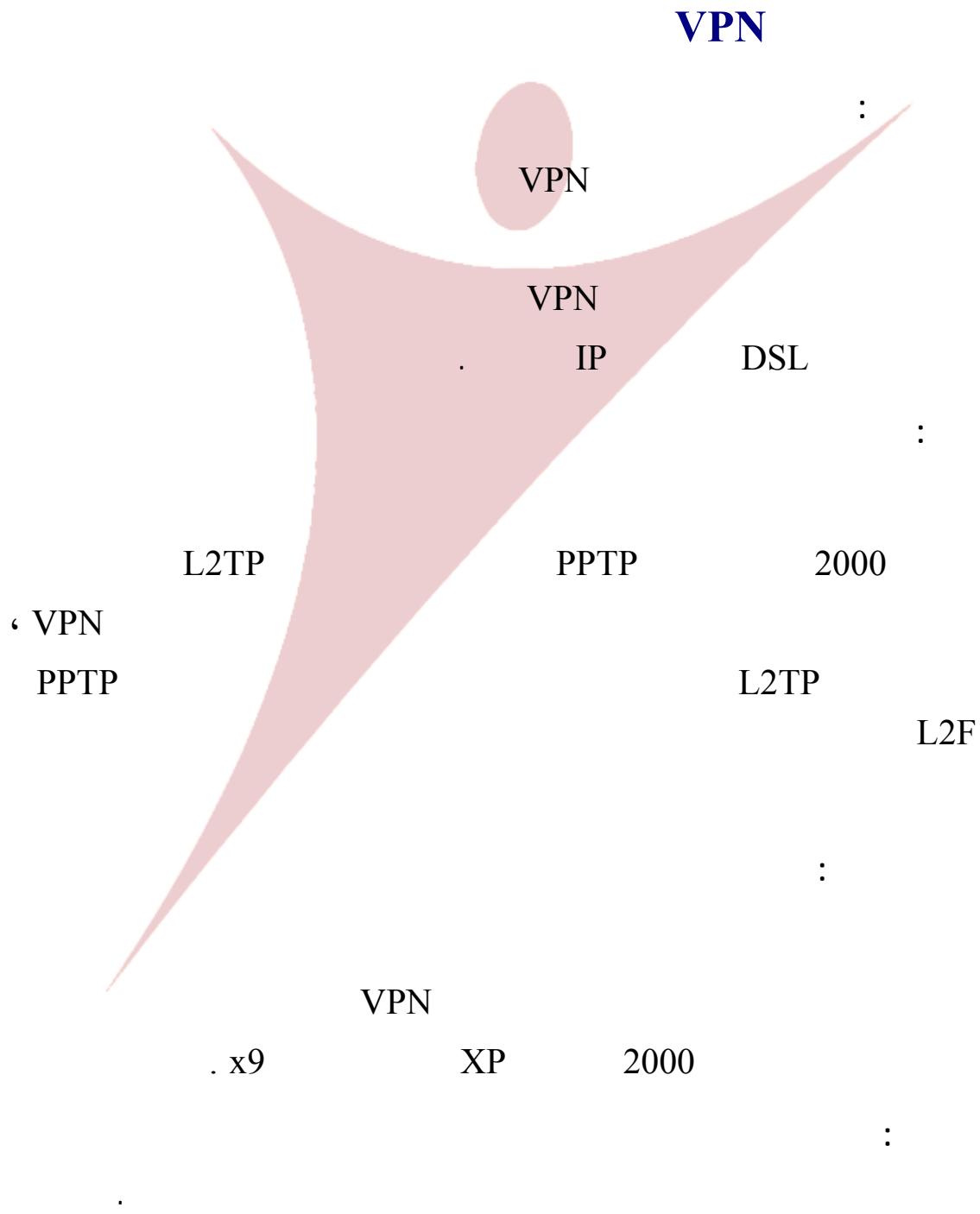
-4

immunity from electromagnetic interference.

القسم الثالث: الشبكة الافتراضية VPN







IP

DSL

VPN

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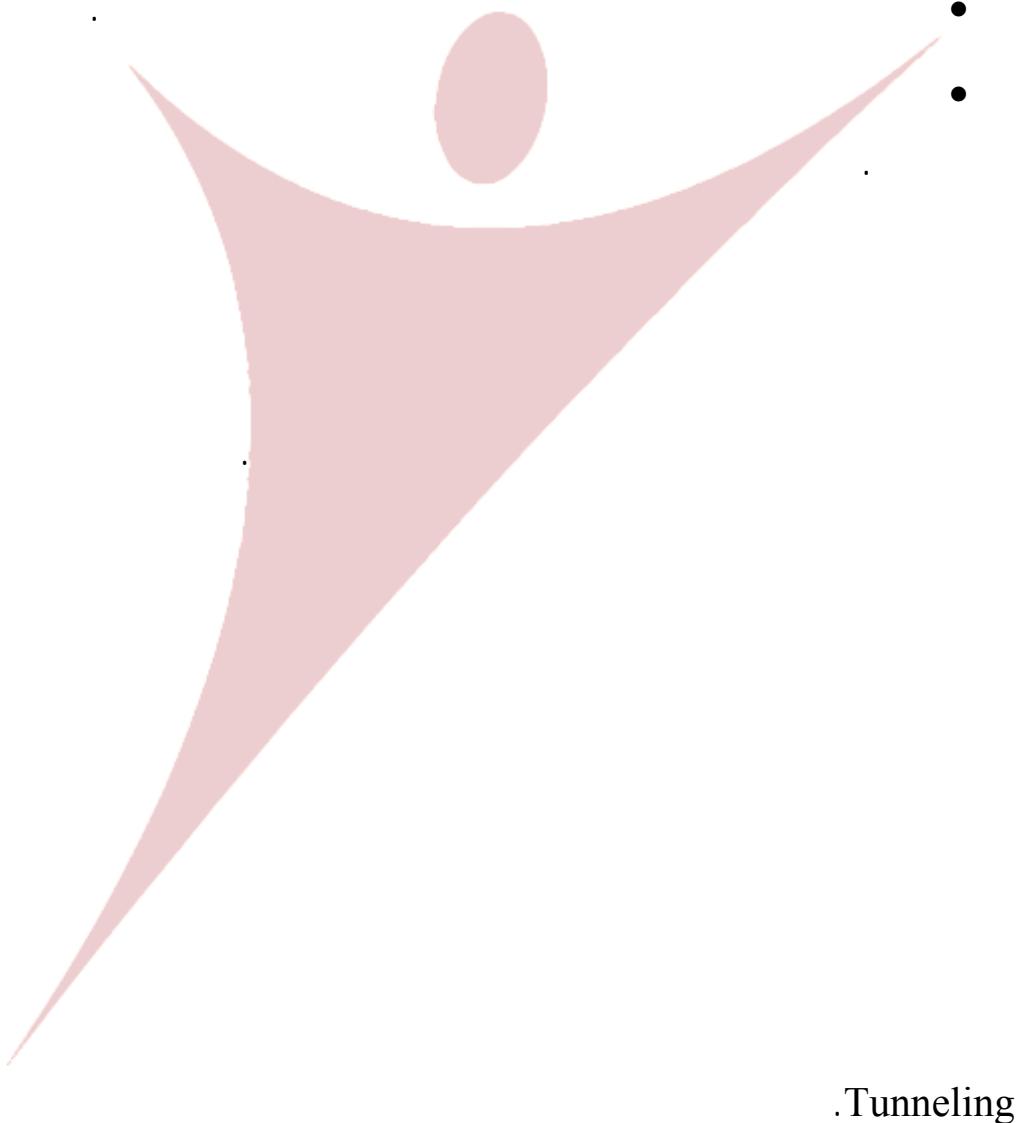
VPN

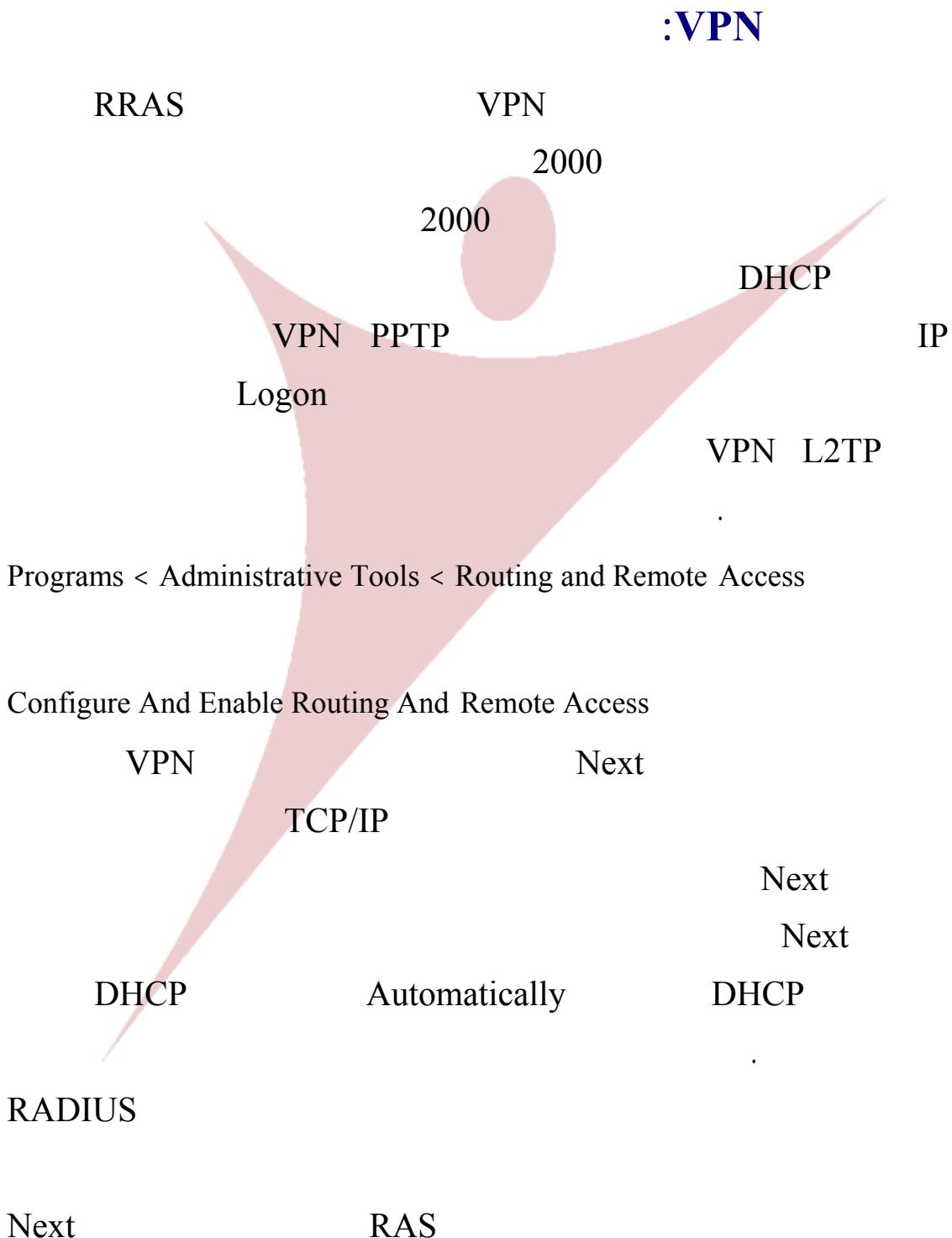
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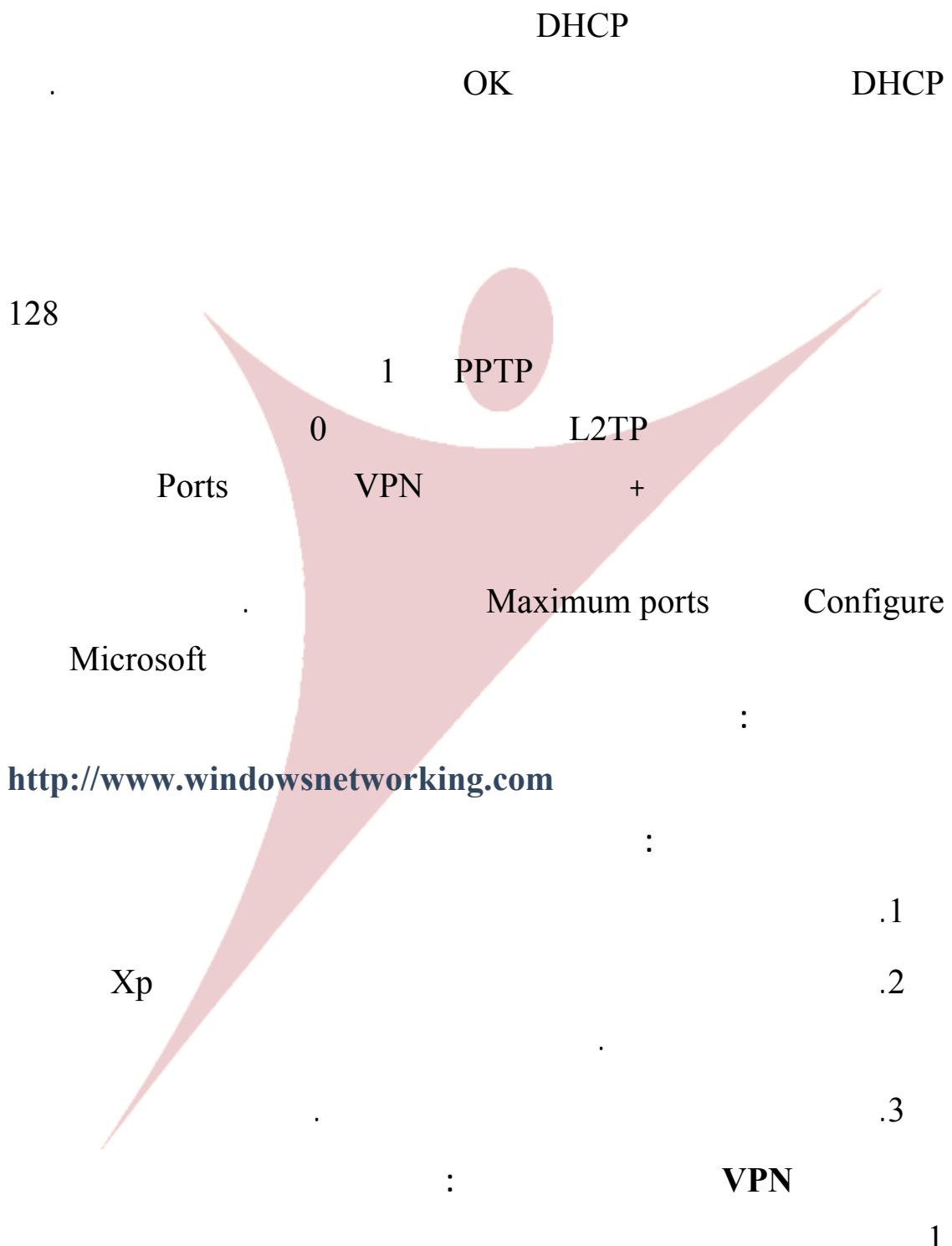
DHCP

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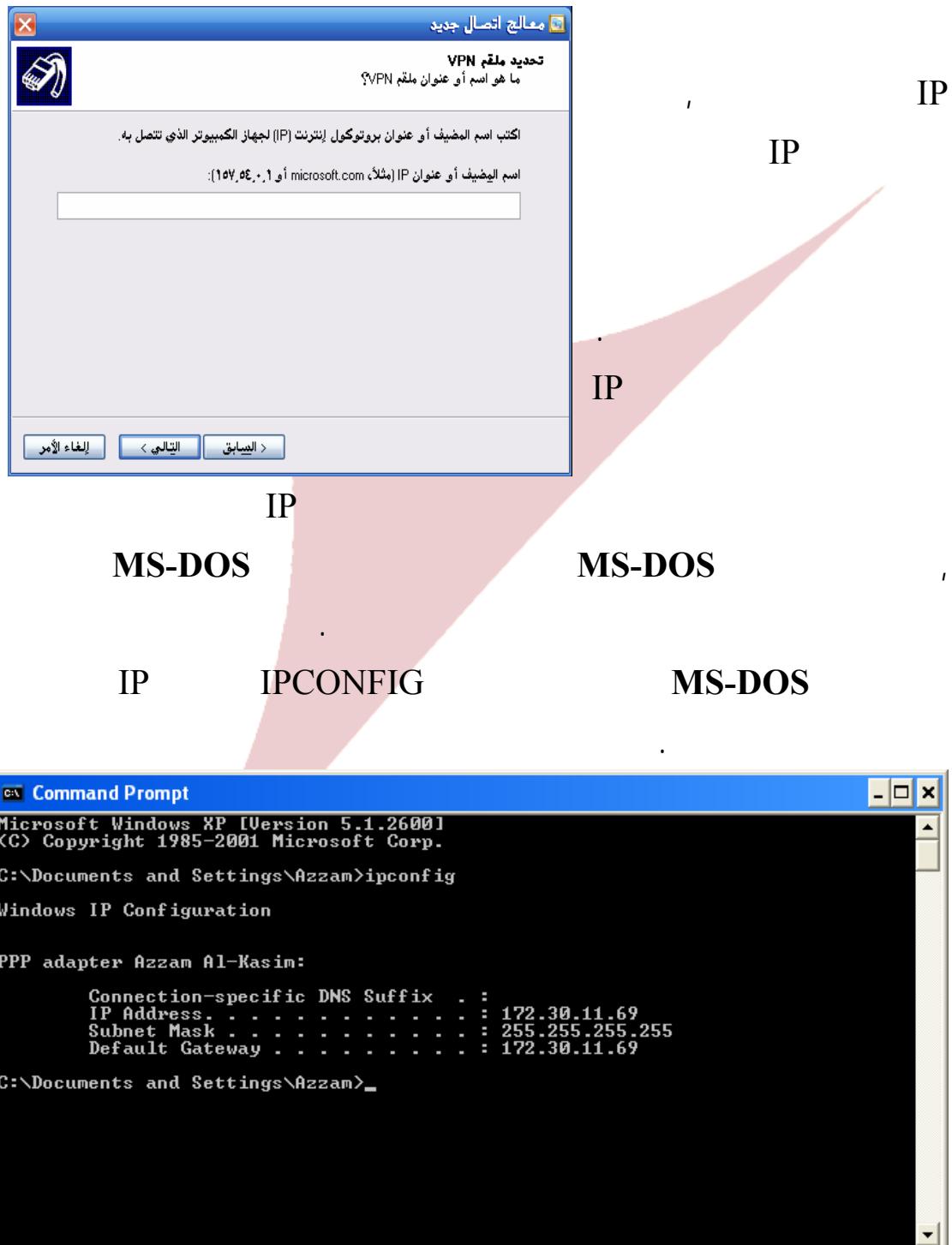






VPN





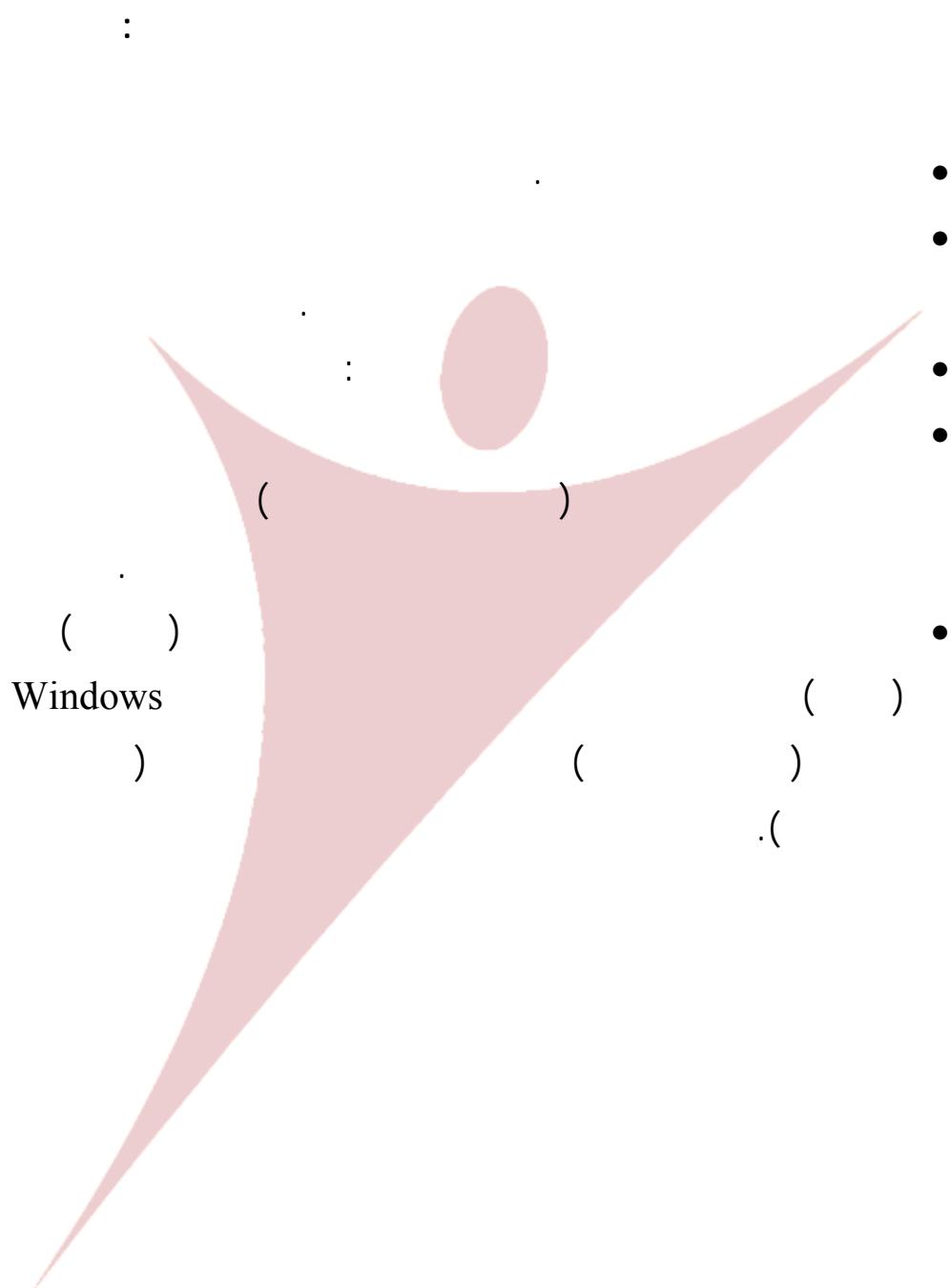
IP



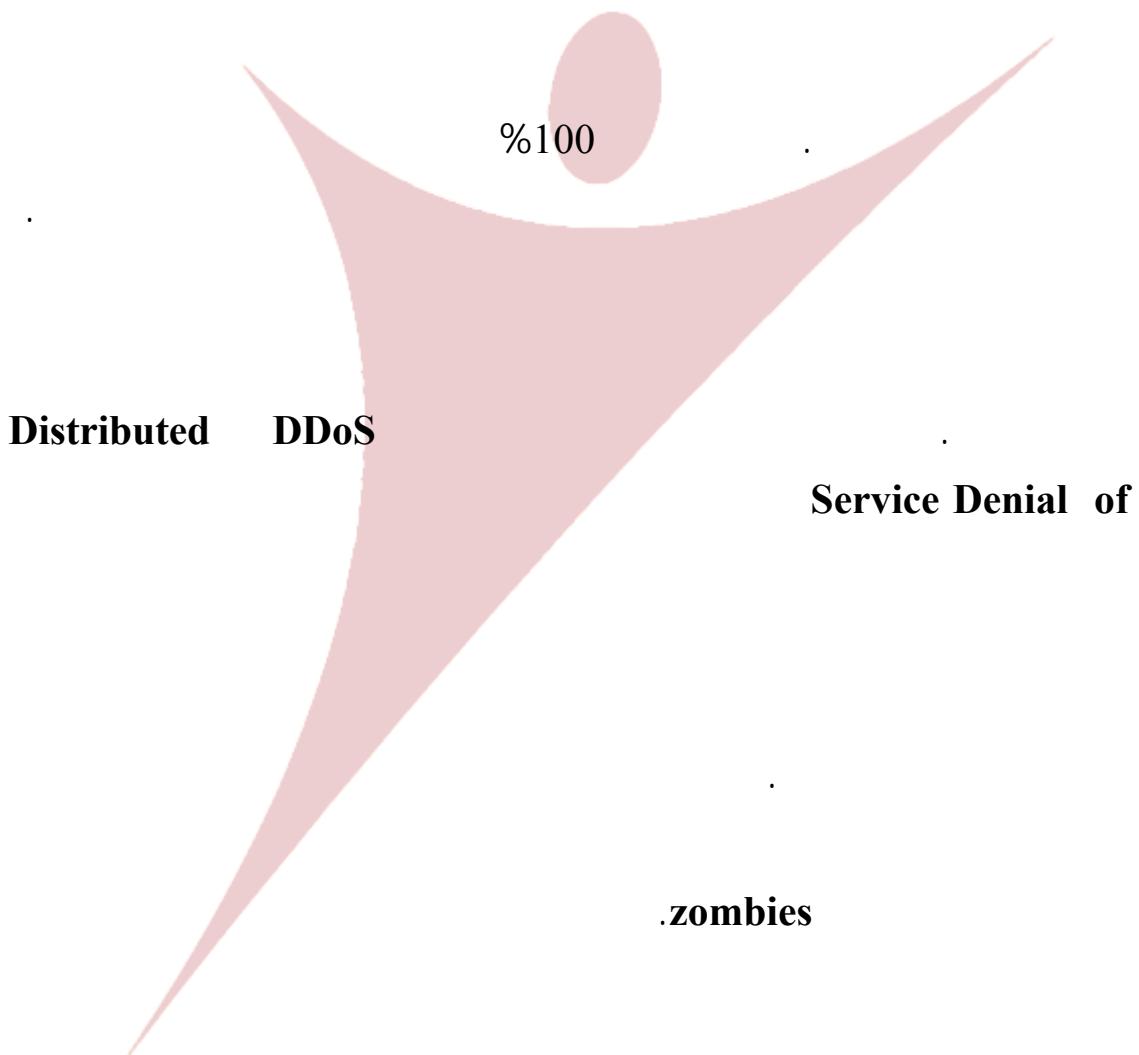
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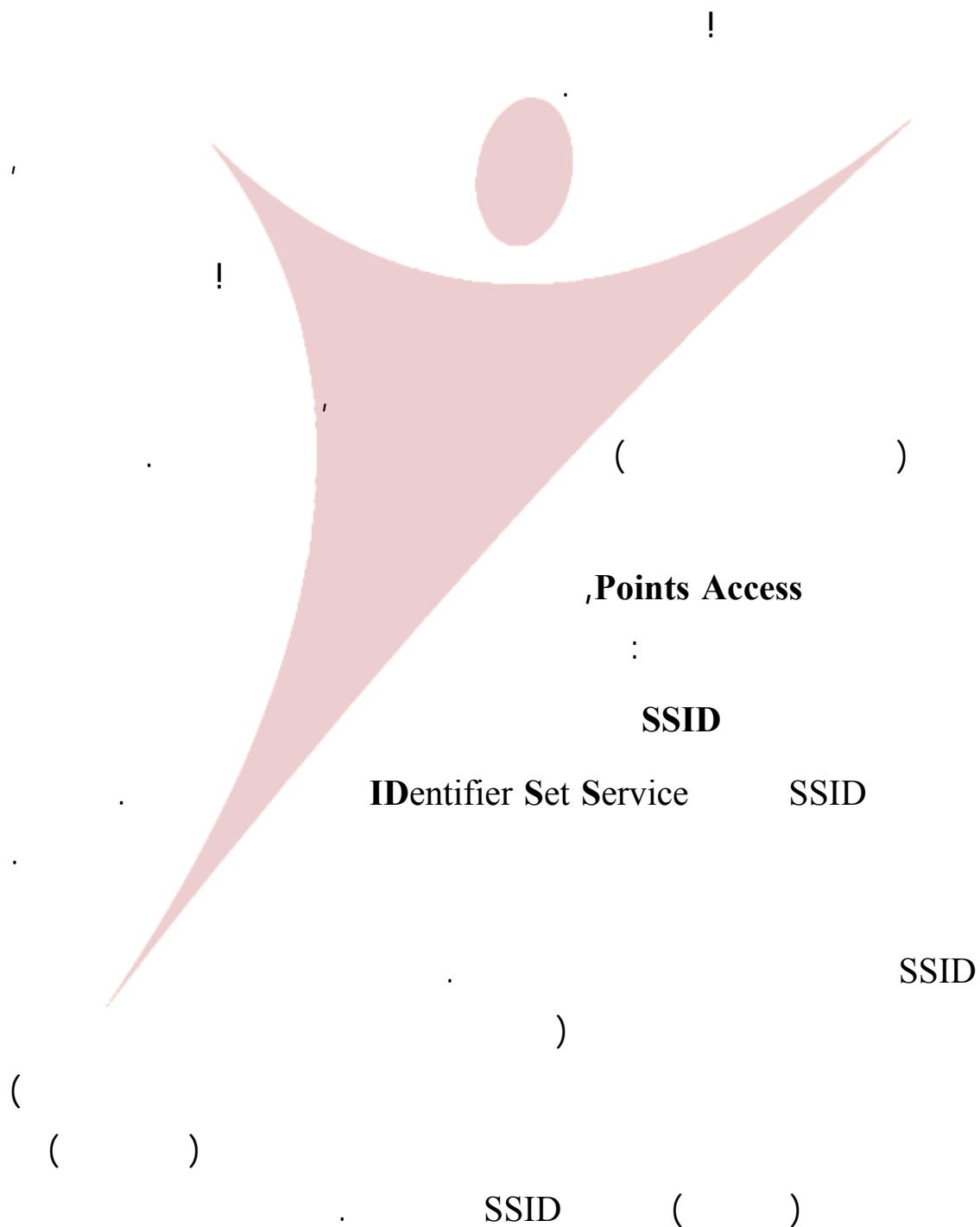
IP



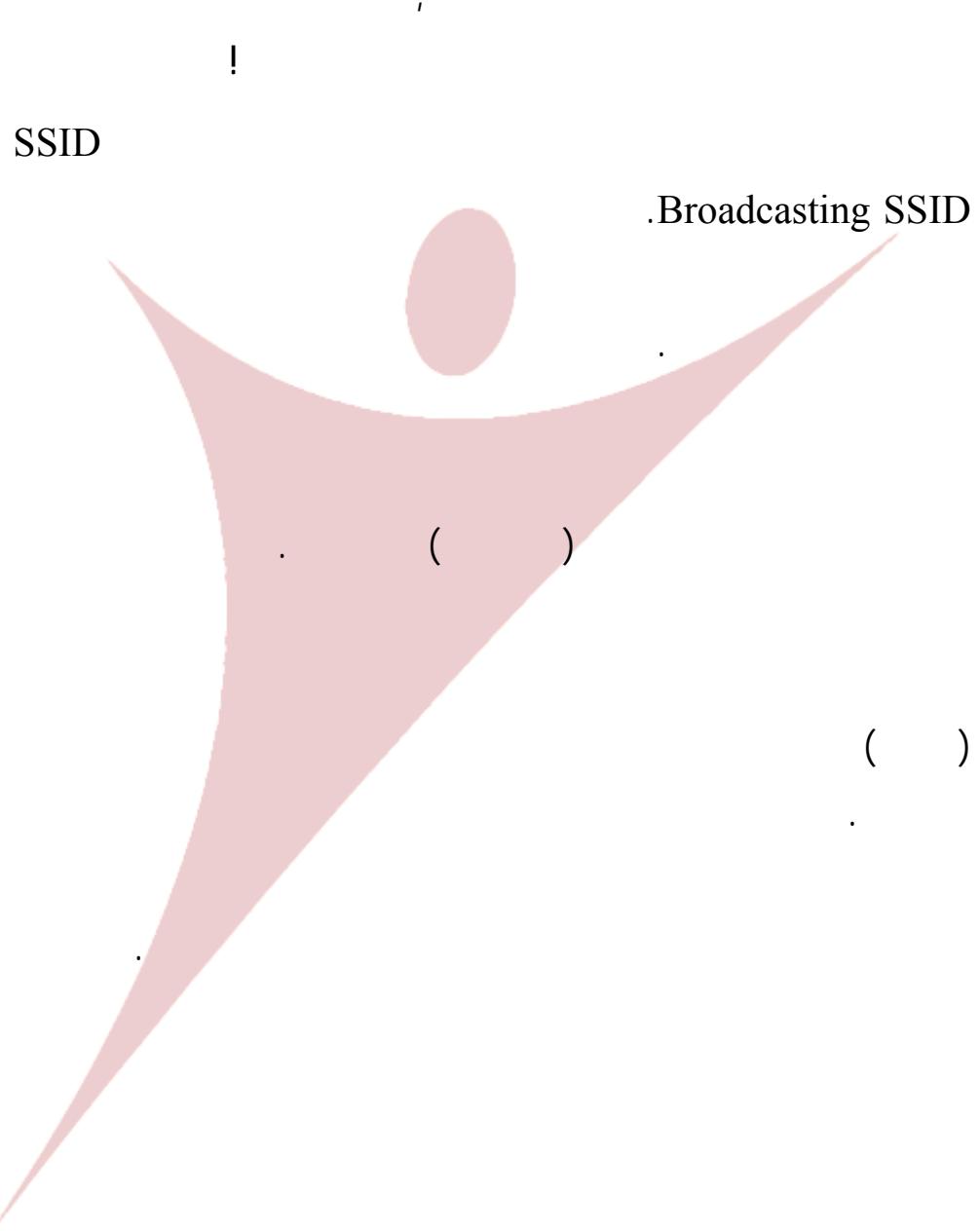


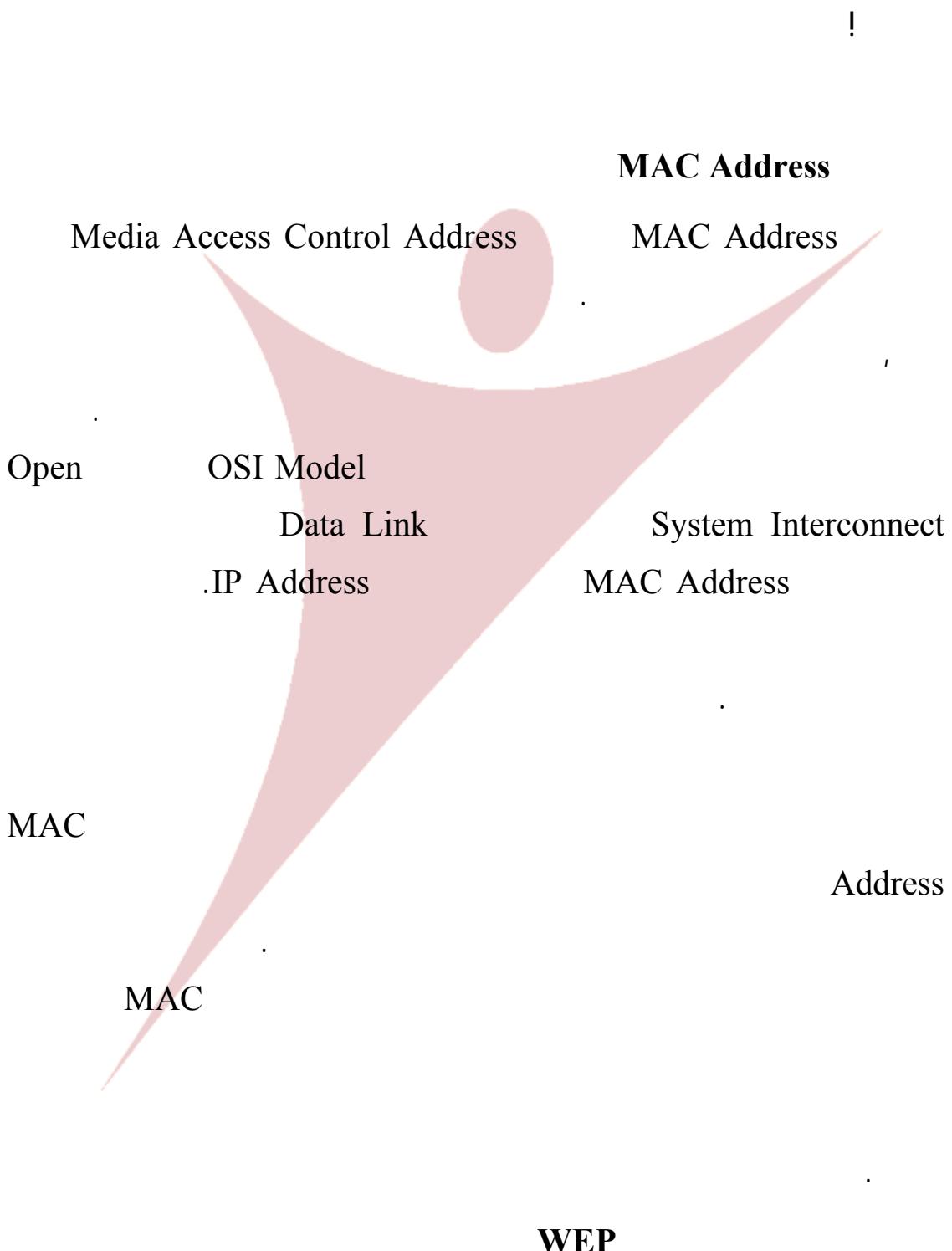
القسم الرابع: أمن الشبكات اللاسلكية





.default





Wired Equivalent Privacy WEP

WEP

Hex

WEP Key

Default Password

Access Point

admin

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