

Cisco.com

Network in Motion

최명주

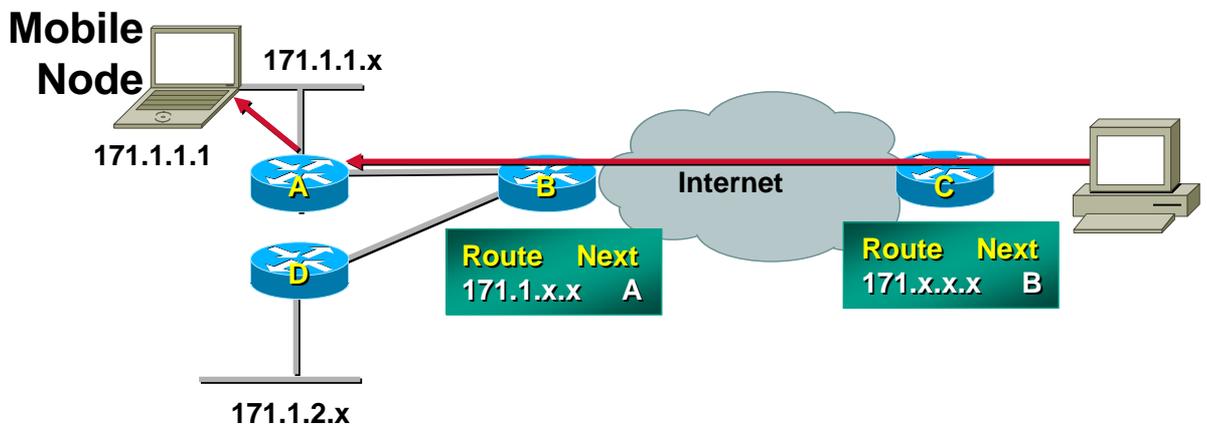
Systems Engineer

Cisco Systems

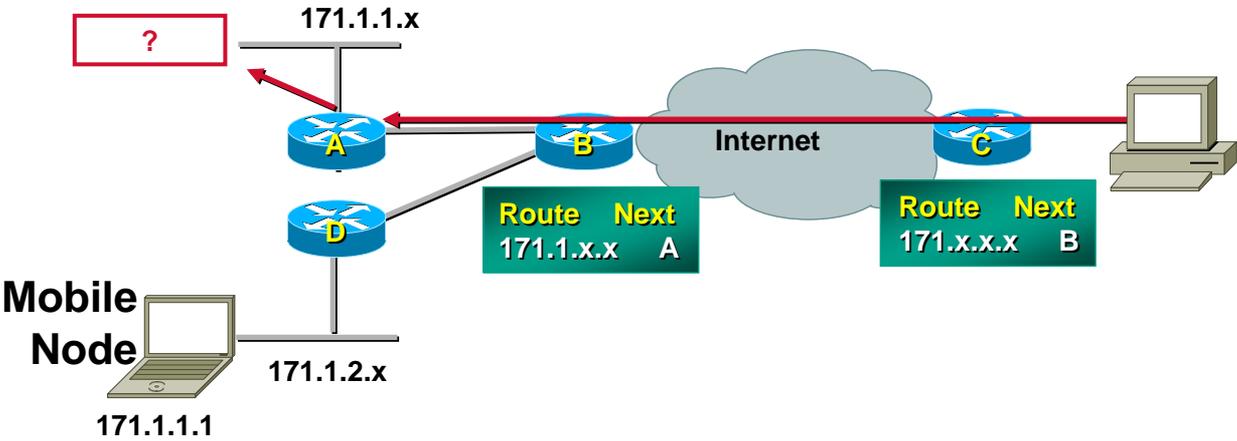
judychoi@cisco.com

Mobility

Cisco.com



Mobility



Mobile Networks

가?

Cisco.com

Mobile network
(mobile router)

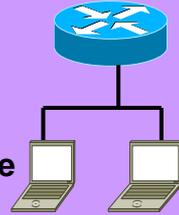
MR



MR

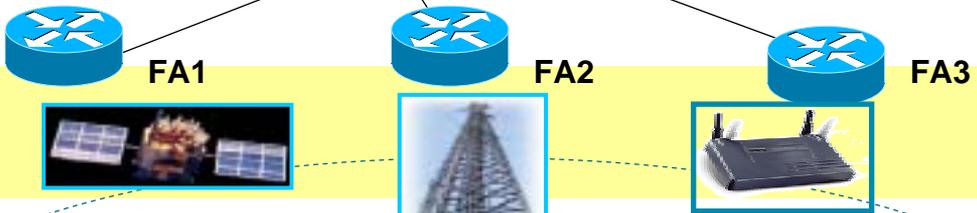
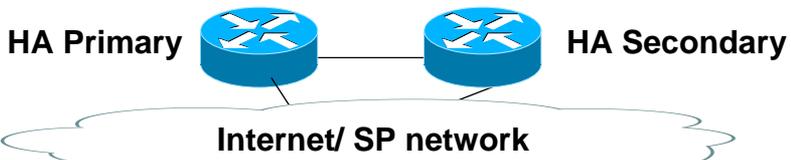
Node

Mobile Network



Mobile IP

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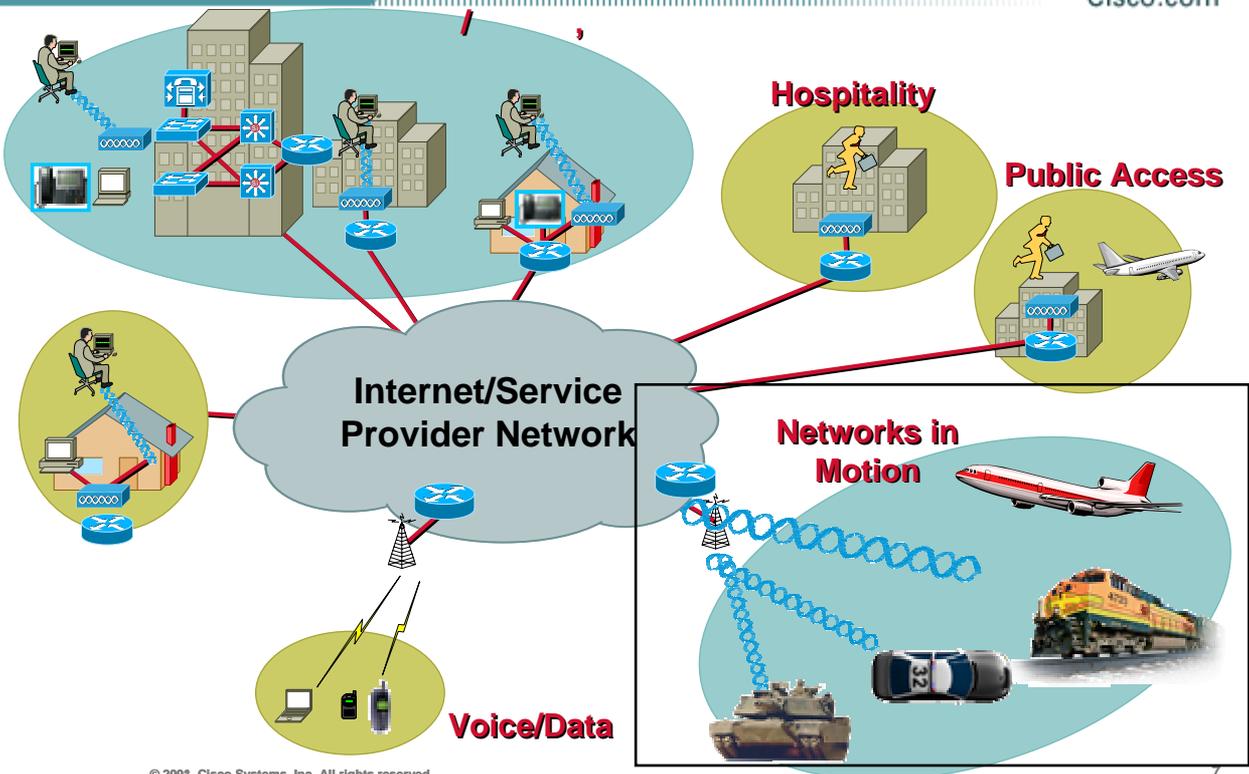
IP

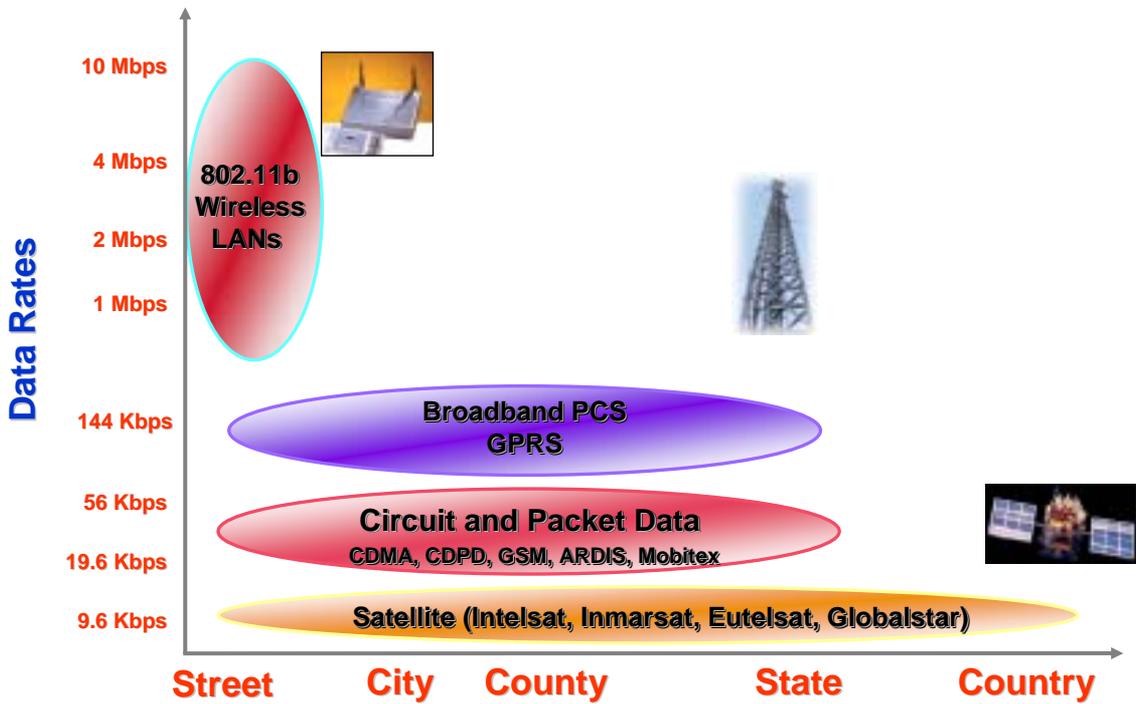


Networks in Motion

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Mobile Networking

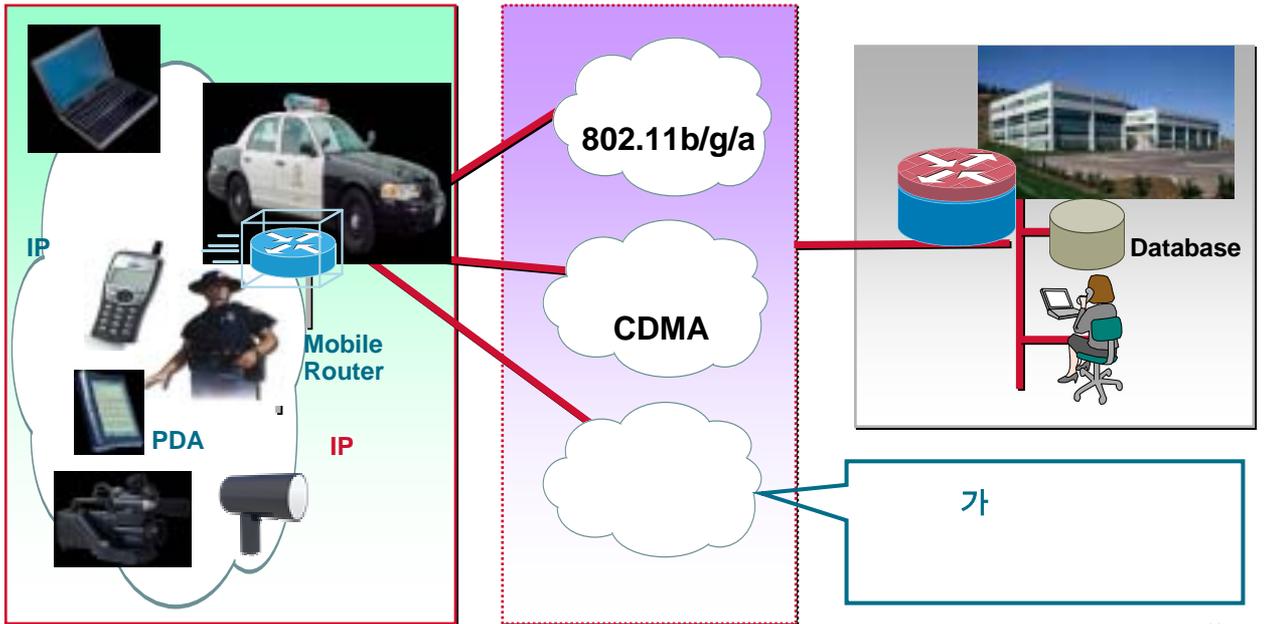
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**Cisco 3200 Mobile
Access Router**



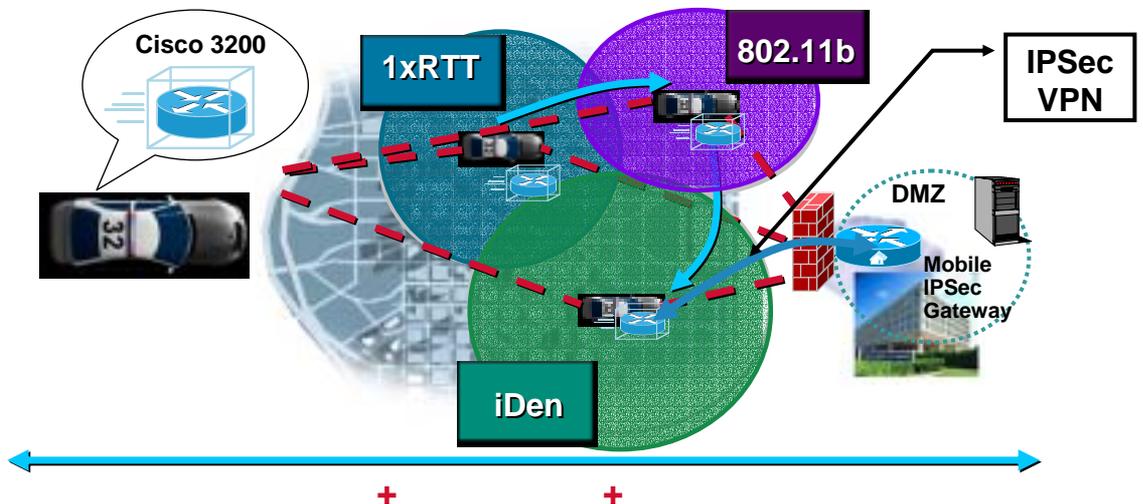
IOS Mobile Networks Software



Cisco IOS Mobile Networking

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- (802.11b) 1xRTT & iDen () Networks
- 1xRTT up to 60kb/s & iDen up to 20kb/s
- 3200 VPN Gateway IPsec VPN tunnel

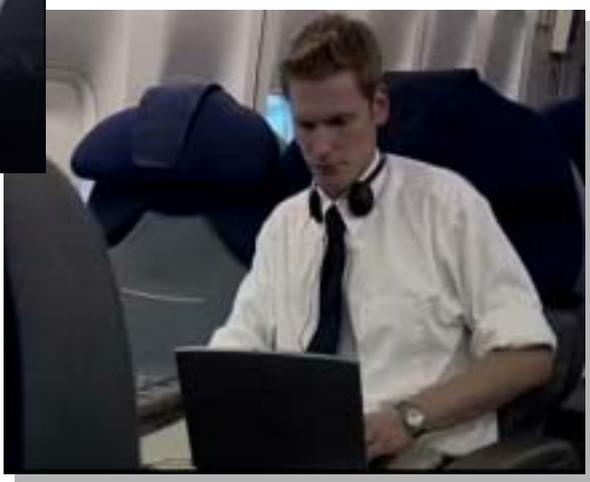




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(Lufthansa)



- :
- : Cisco AP1200



Foreign Agent

**Carrier Battle Group
Home Agent Primary**



CCOA



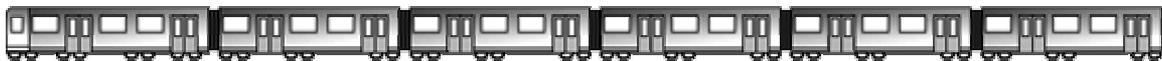
Mobile Router

**Home Network
Secondary**



Foreign Agent

Cisco 3200 Mobile Access Router

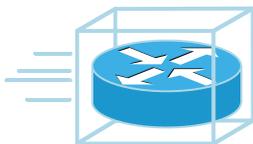


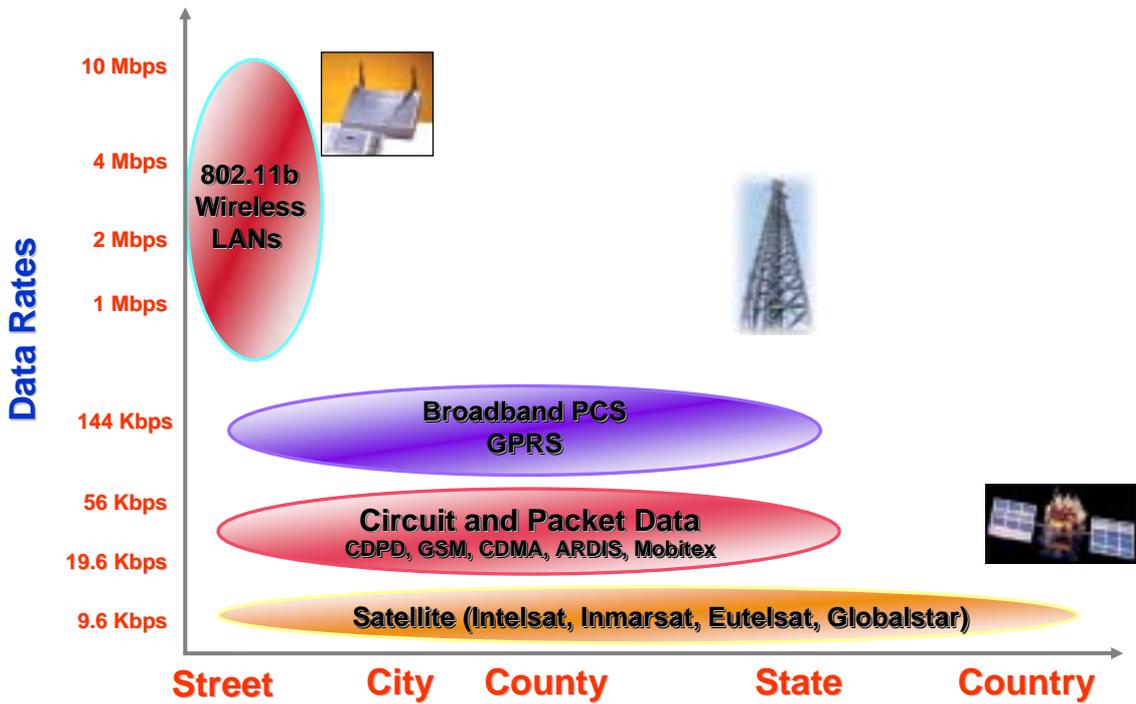
Cisco 3200 Mobile Access Router

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3640 가
Mobile IP, Mobile Network가 가 IOS
Seamless





Form Factor



가

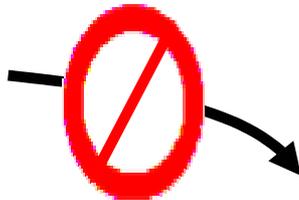
➤ DC Power

➤

➤가

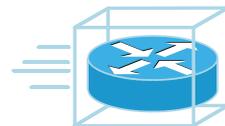
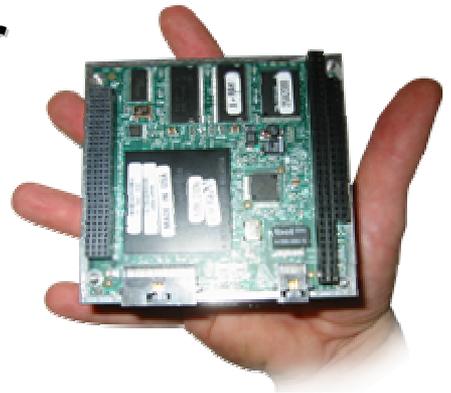
➤

가



Cisco 3200 Form Factor

1 가



가

- Cisco 3200 Cisco IOS software

Access

- Connectivity
- Performance
- Ease of Use
- Manageability
- Availability



Policy Management

Security

- Authentication
- Authorization
- Accounting
- Assurance
- Confidentiality
- Data Integrity

Cisco Network

Mobility

Cisco.com

**Network
Centric
Solutions**

IP Networks

**Form
Factor**

Cisco IOS Software

Cisco 3200 Mobile Access Router –

Cisco.com

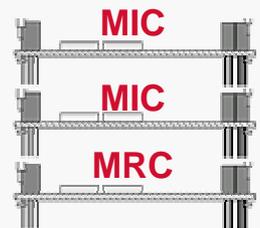
- **Mobile Access Router Card (MARC)**

- High performance processor
- One 10/100 Ethernet
- One console
- One powered async serial (for GPS)



- **Mobile Interface Cards (MICs)**

- SMIC: 4 sync/async serial
- FESMIC: FE/E Switch Card



Cisco 3200 Series

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Cisco 3220 Mobile Access Router

Cisco 3250 Mobile Access Router



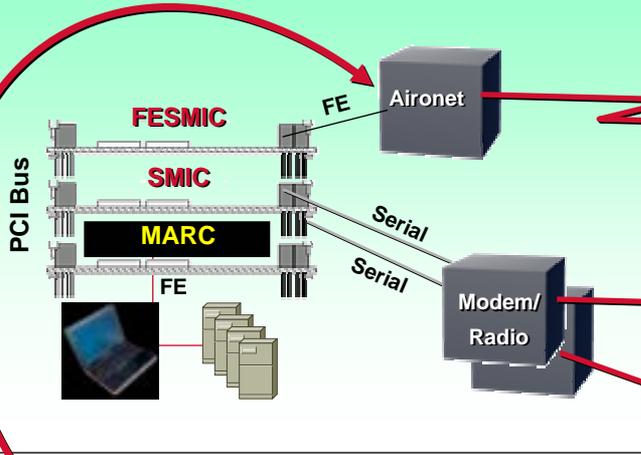
- 2 Port FESMIC
- 2 Port SMIC
- No Options for SMIC or FESMIC
- Future Upgrade to Integrated 802.11 Interface Card
- 3DES PLUS Image Included

• Targeted for mass deployment public sector and commercial transportation markets

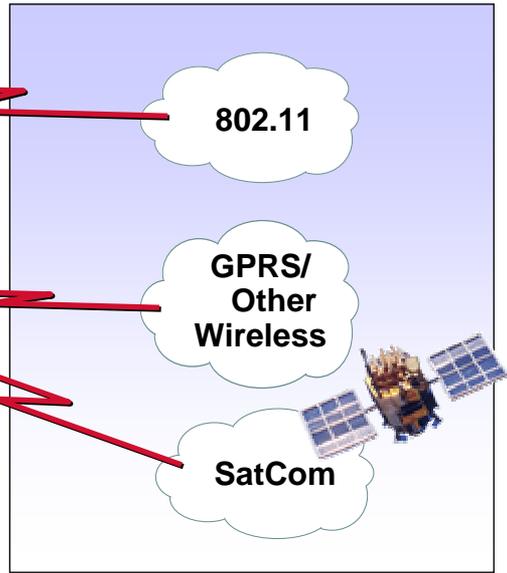
- Completely Modular 3200 Series
- 4 Port FESMIC
- 4 Port SMIC
- Options for Mobile Interface Cards Combinations
- Future Upgrade to Integrated 802.11 Interface Card

• Targeted for deployment in Defense applications & large scale projects and command & control vehicles

Typical Configuration



WAN Wireless Networks



In Vehicle Wireless/Wired LAN/s



CISCO SYSTEMS



EMPOWERING THE
INTERNET GENERATION