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Network in Motion

최명주

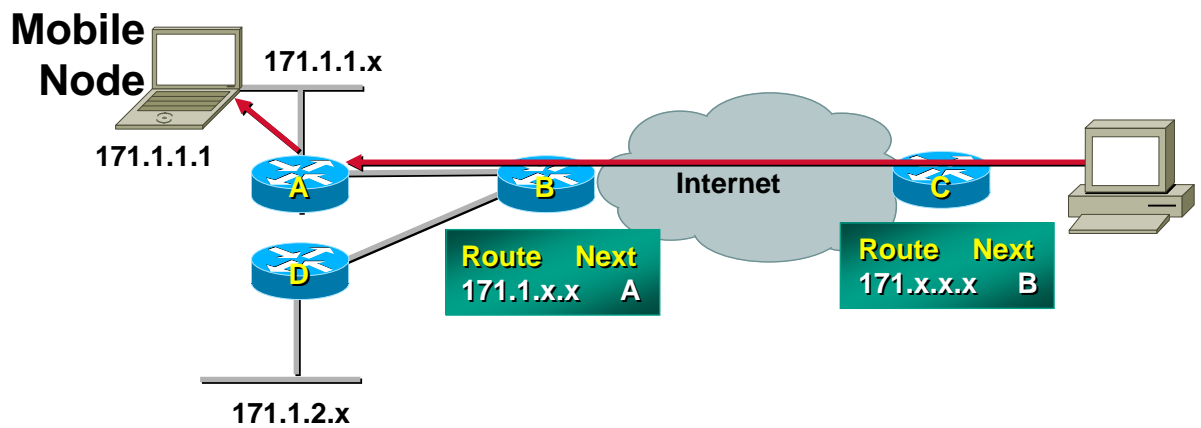
Systems Engineer

Cisco Systems

judychoi@cisco.com

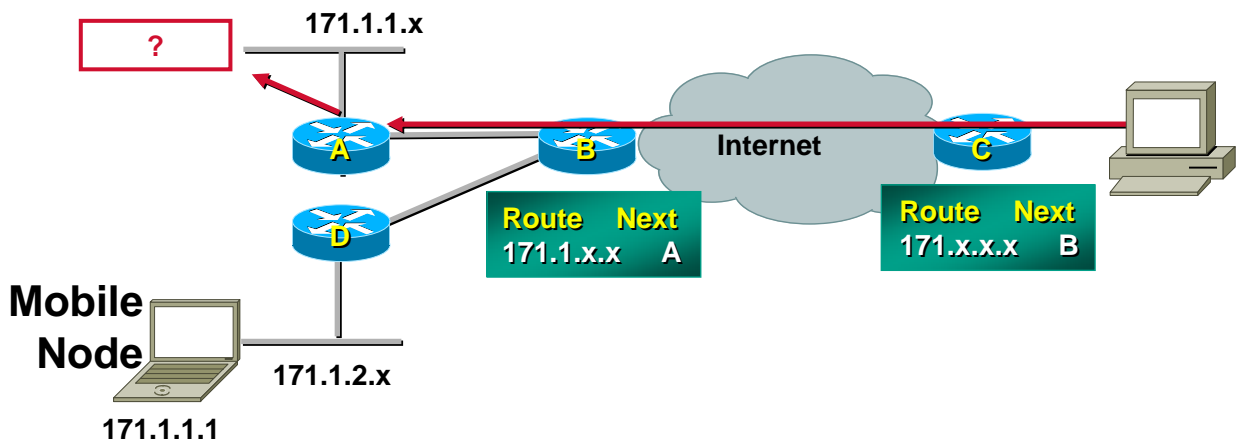
Mobility

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Mobility

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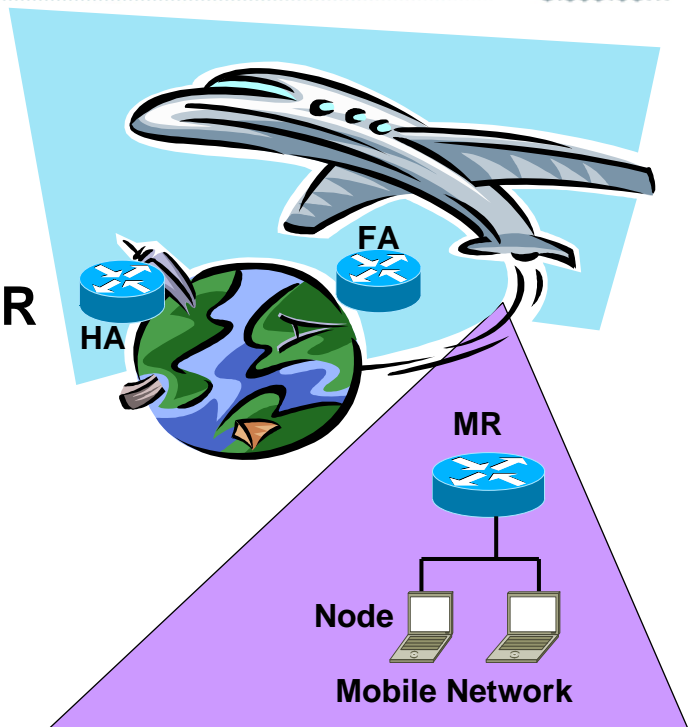
Mobile Networks

가?

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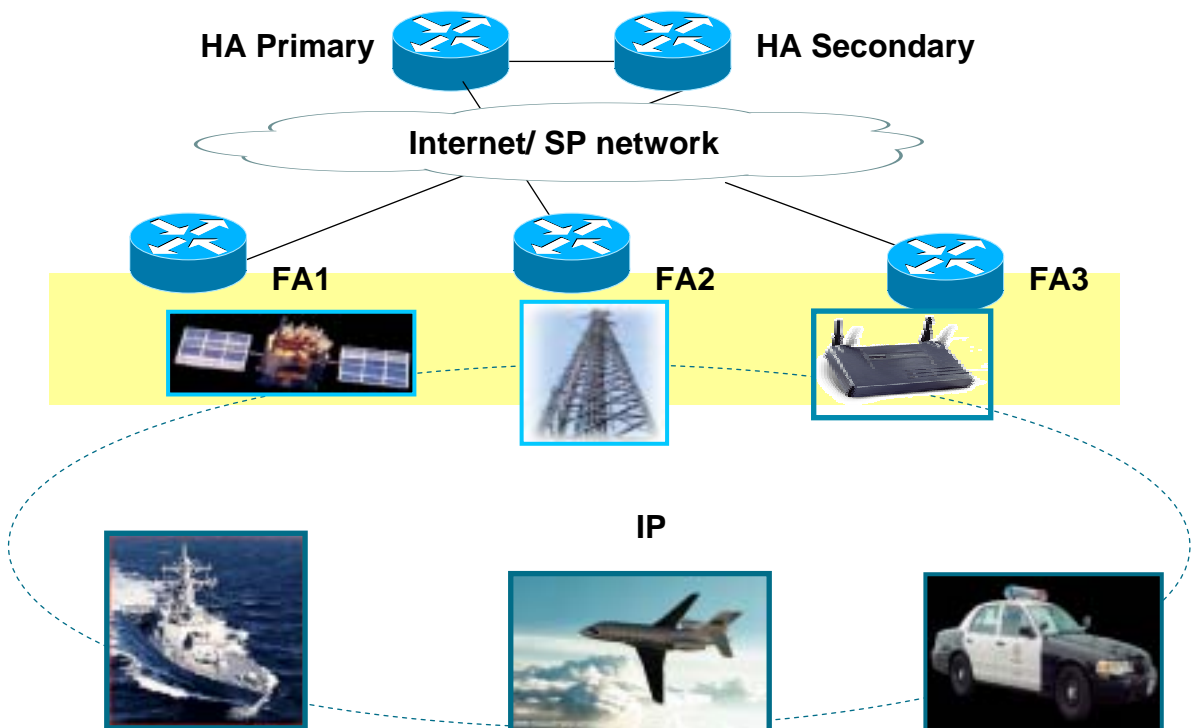
**Mobile network
(mobile router)**

MR



Mobile IP

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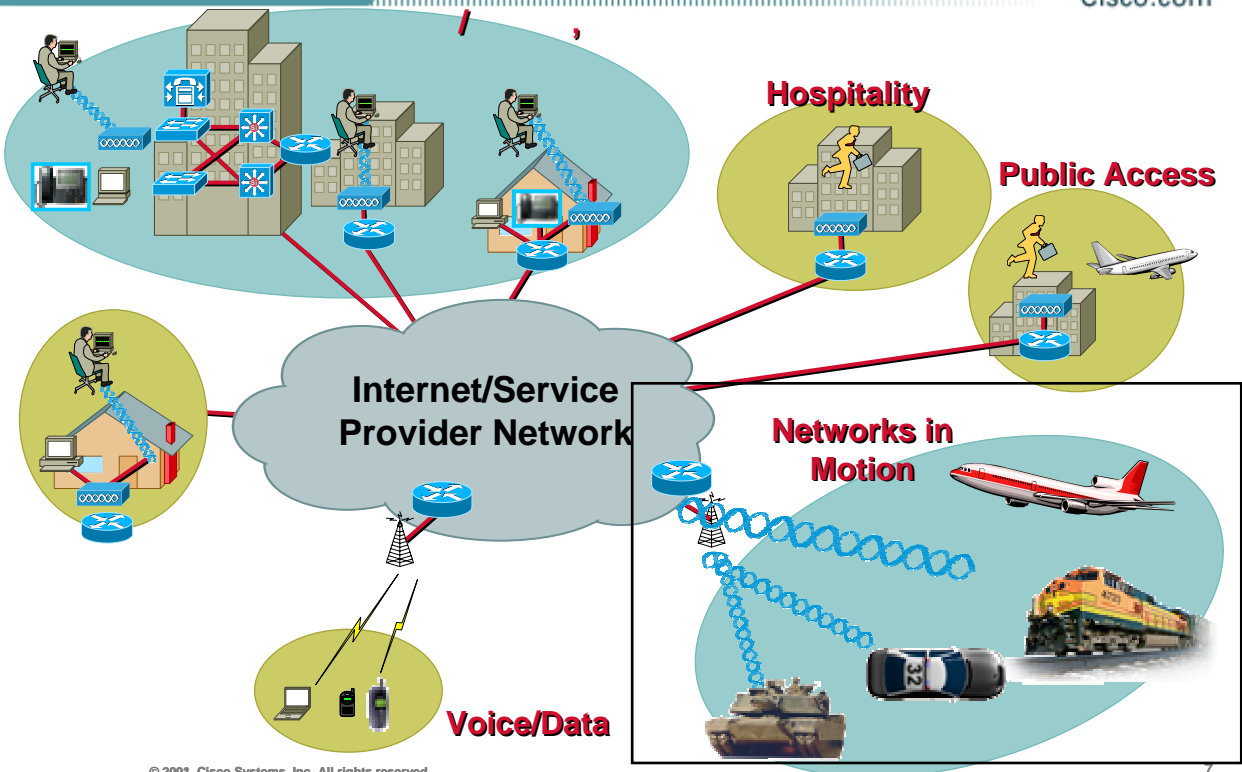


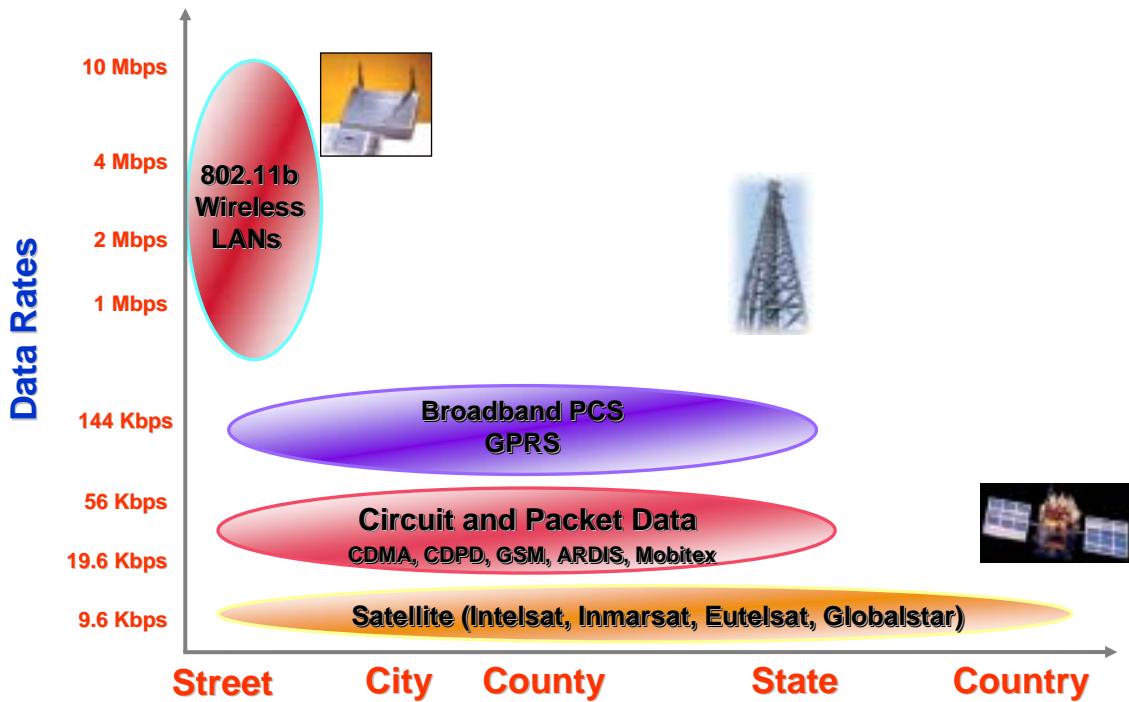
Networks in Motion

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Mobile Networking

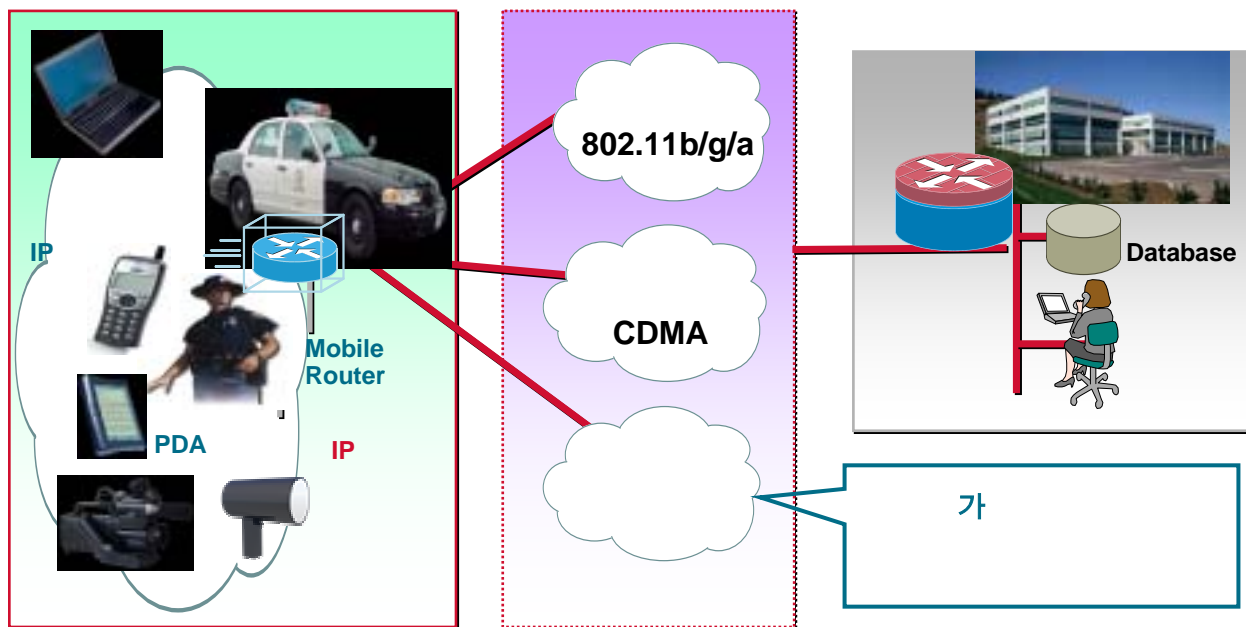
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**Cisco 3200 Mobile
Access Router**



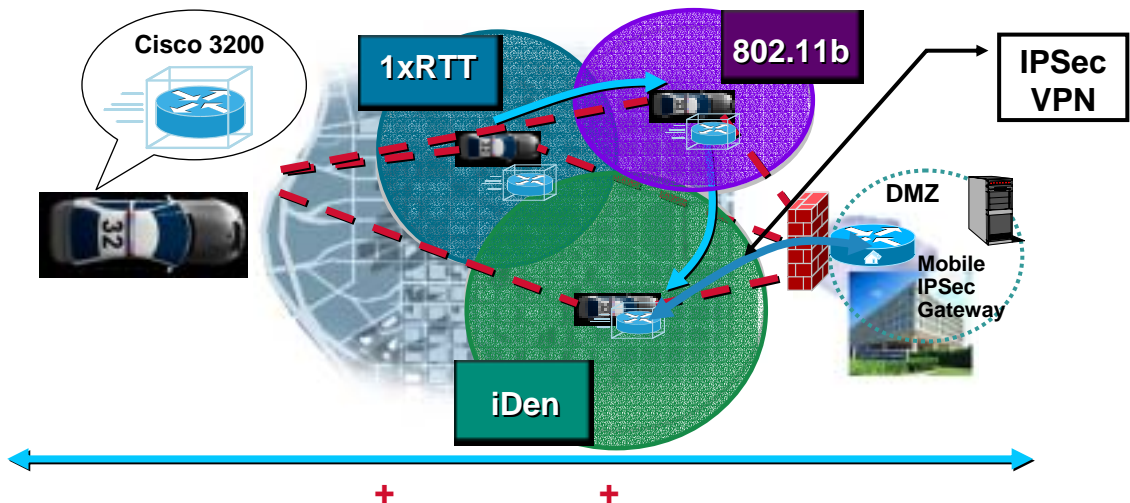
IOS Mobile Networks Software



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

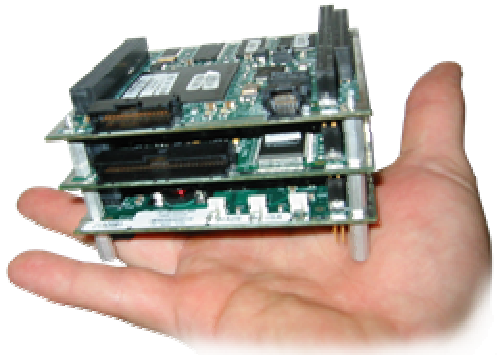
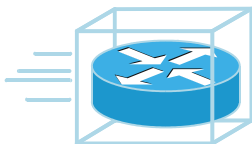


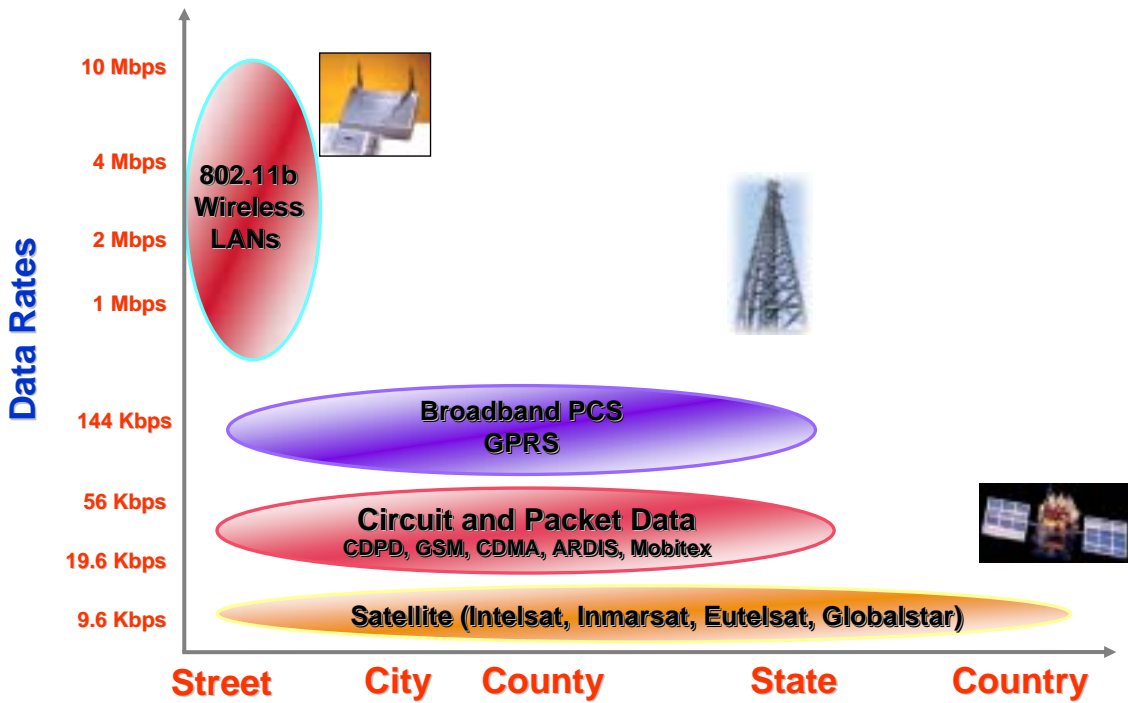
Cisco 3200 Mobile Access Router

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3640 가
Mobile IP, Mobile Network가 가 IOS
Seamless





Form Factor

Cisco.com



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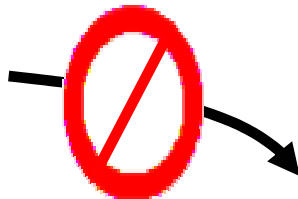
➤ DC Power

➤

➤ 가

➤

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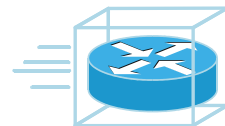
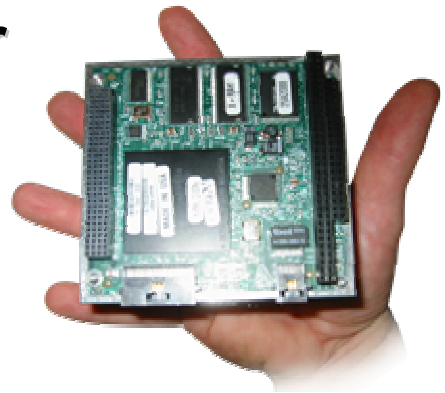


Form Factor -

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Cisco 3200 Form Factor

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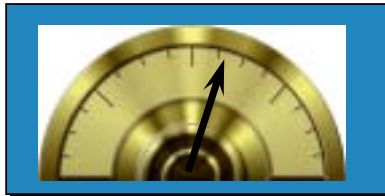


가

- 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

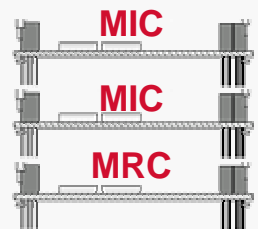
- **Mobile Access Router Card (MARC)**

- 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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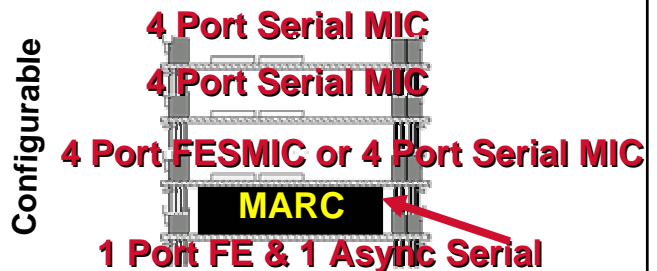
Cisco 3220 Mobile Access Router



- 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

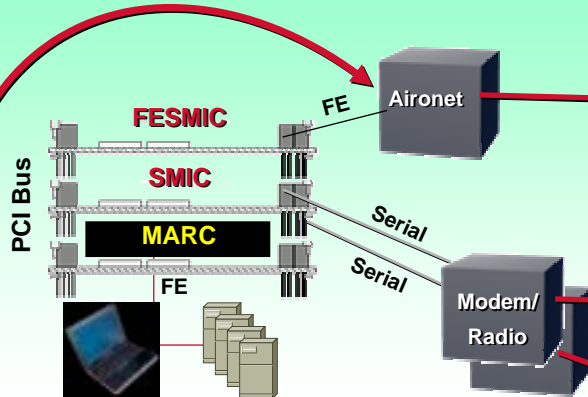
Cisco 3250 Mobile Access Router



- 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

802.11

GPRS/
Other
Wireless

SatCom

In Vehicle Wireless/Wired LAN/s



CISCO SYSTEMS



EMPOWERING THE
INTERNET GENERATION