

# Smith Micro Software

Public Safety Solutions:

Connectivity, Security, Device Management and  
Standards

Presented by: Dave Sperling  
CTO  
Smith Micro Software

PSCR Demonstration Network  
Stakeholder Meeting  
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# Smith Micro Software

- Mobile Broadband Connectivity Experts
- 100 million copies of QuickLink®
- Billions of Transactions
- Driving Standards
- Innovator in Security and Traffic Management



# Customers



# Mobility Challenges

- Heterogeneous Networks
- Smart Connectivity
- User Experience
- IT Security & Control
- Supportability

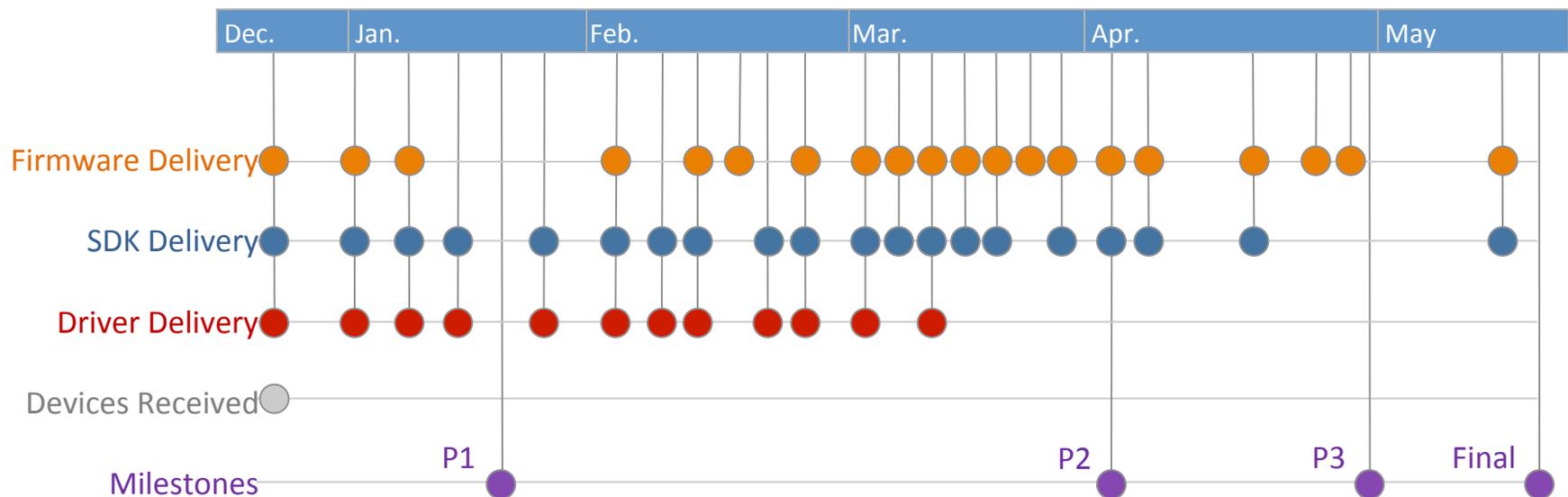
# Need for Connectivity Standards

- Hardware & Software Interoperability
- Reduces Testing and Certification Time
- Reduce Device Time to Market
- Enables Form Factors Variety

Multiple Platforms/Form Factors/Operating Systems			
Embedded Laptops		Networks	GSM, CDMA, WiMAX, LTE, Wi-Fi,
Tablets / Hotspots		Smartphones, Feature Phones	
USB Modems		Operating Systems	

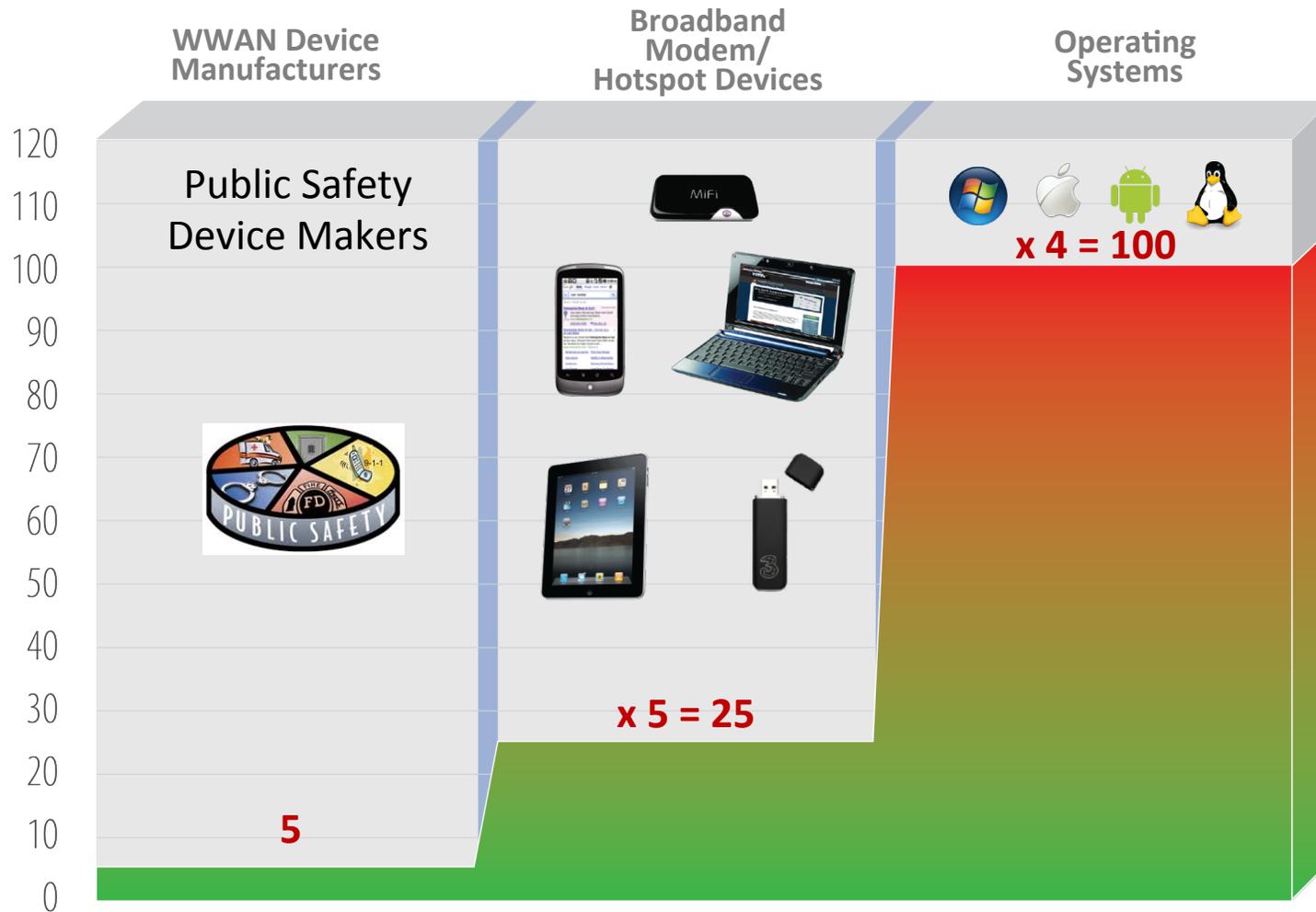
# Device Time To Market Example

- Real World Nightmare Scenario
- Device Integration with 1 Carrier – 6 Months



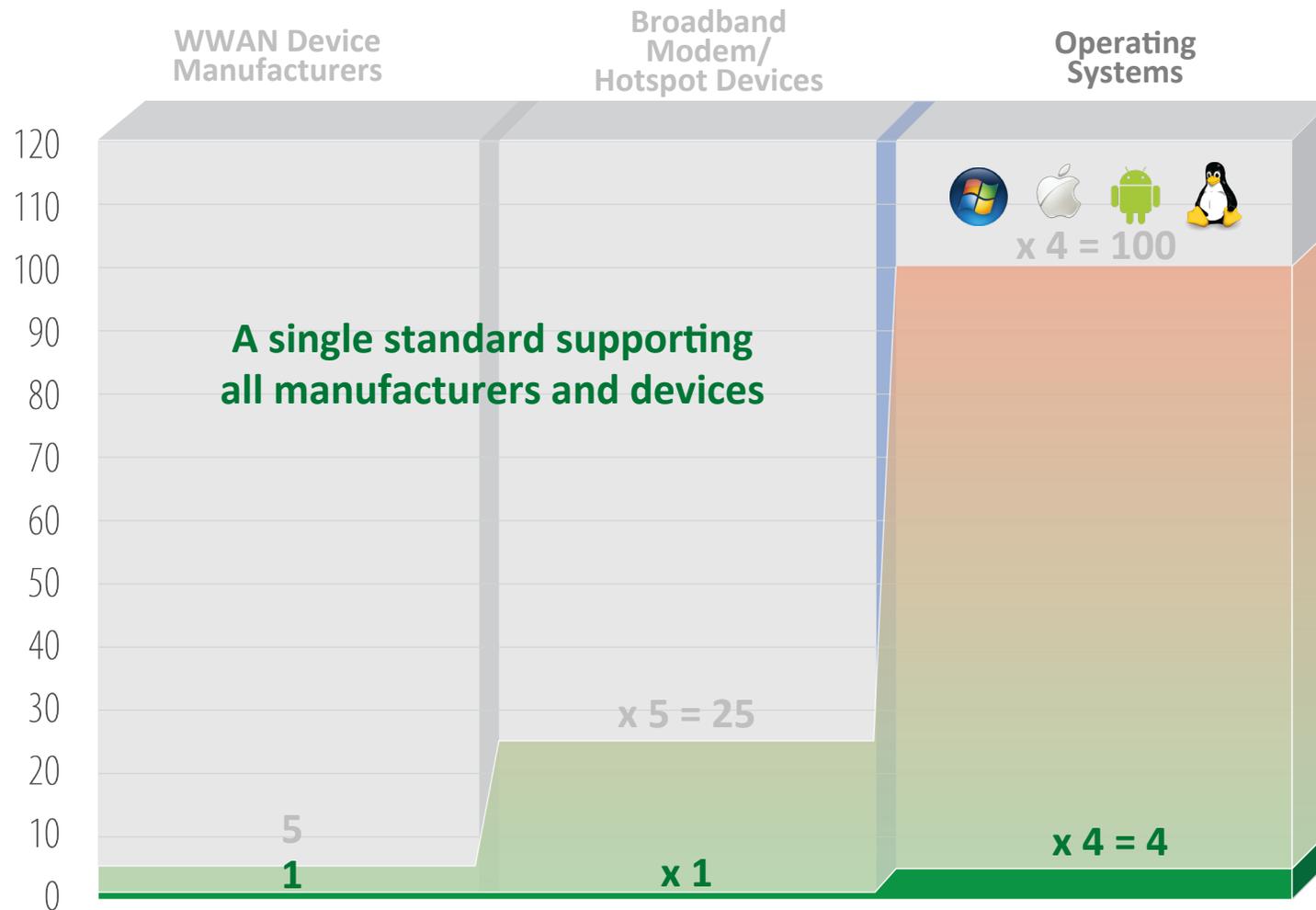
# Unique Versions for 1 Connection Manager

- Without Standards



# Unique Versions for 1 Connection Manager

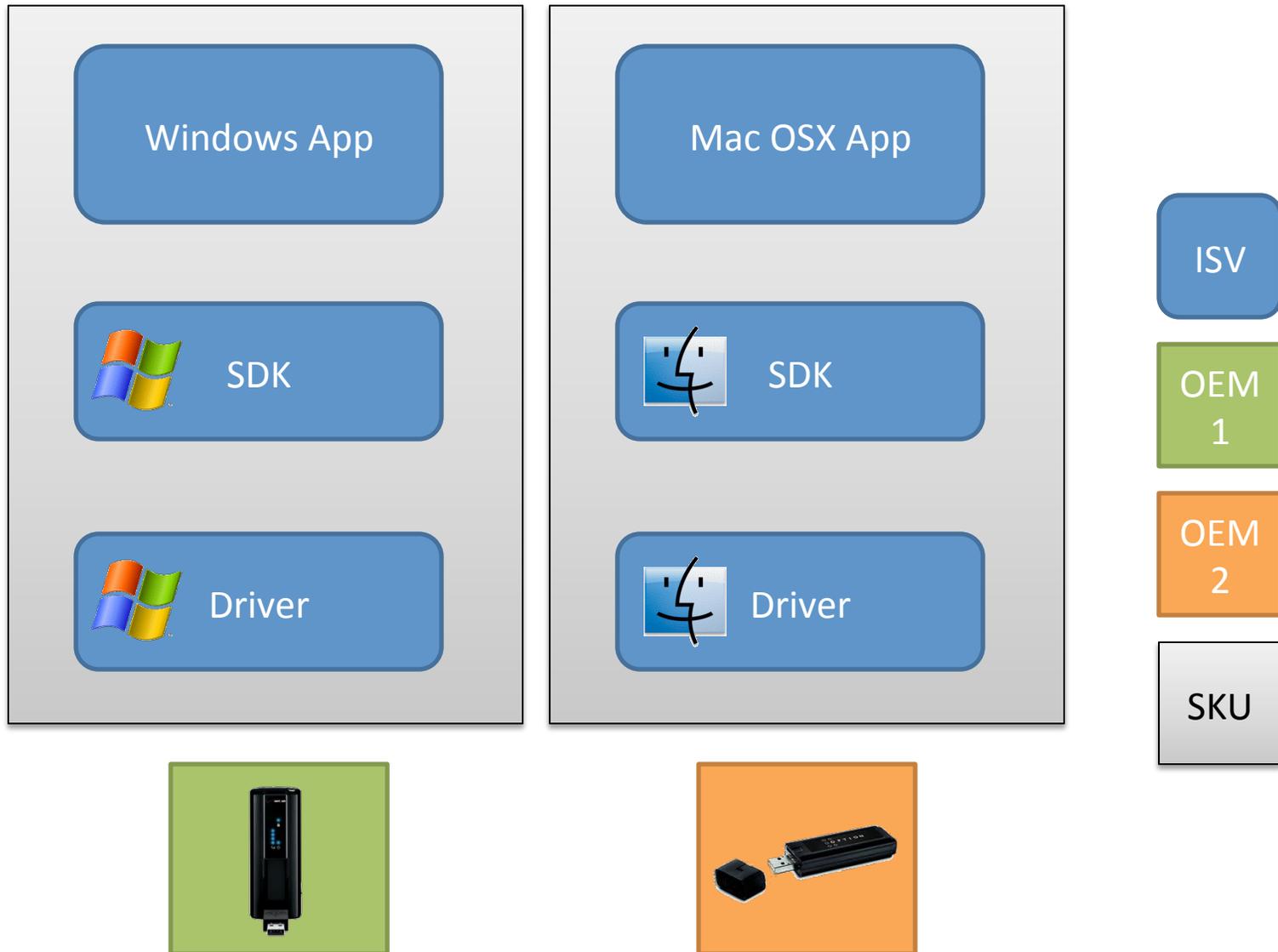
- With Standards



# The Connection Manager Before



# The Connection Manager After

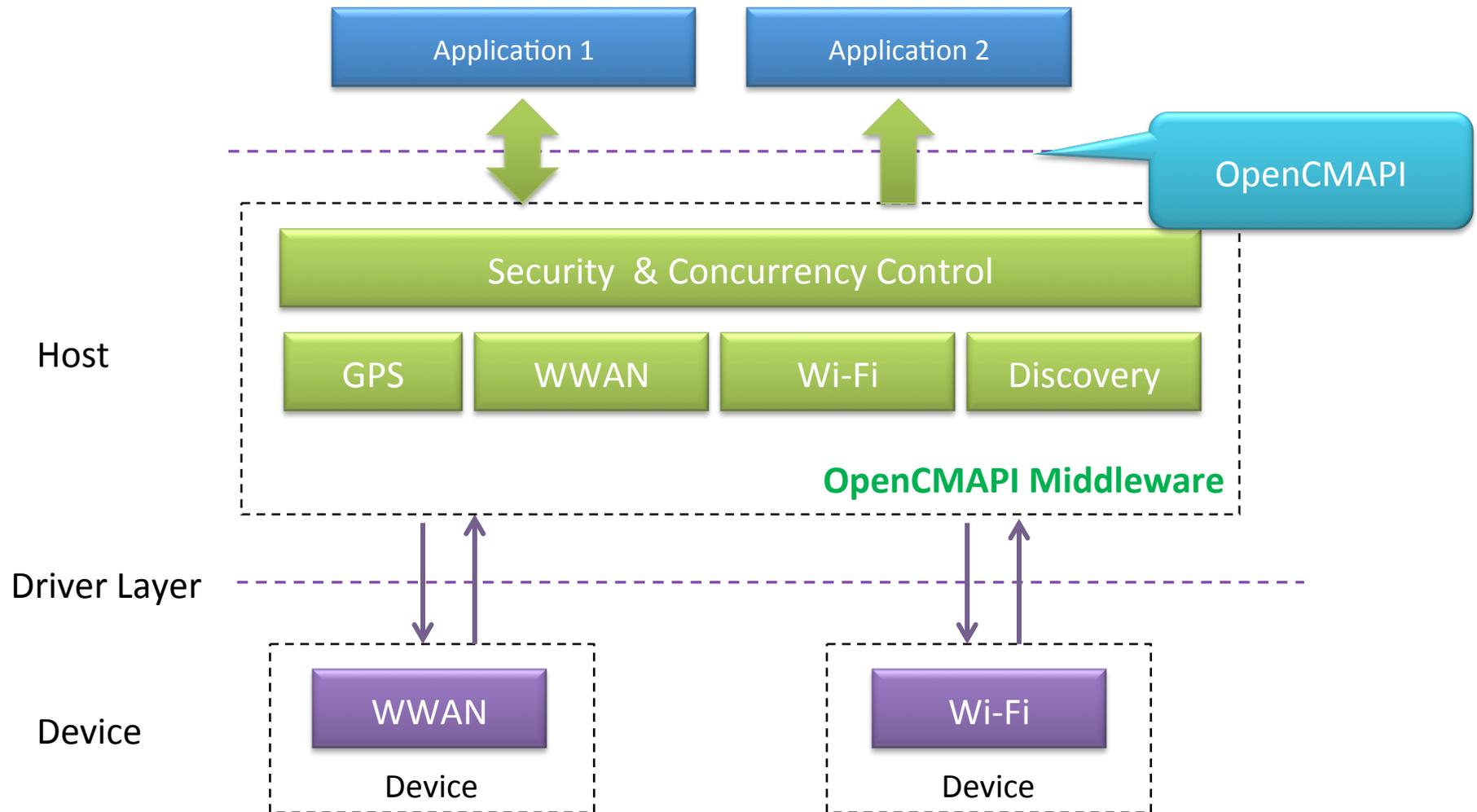


# WWAN API Landscape

- OpenCMAPI
  - Led by Deutsche Telekom and Smith Micro
  - Common API for Connectivity
- Focus
  - WWAN and Wi-Fi Device Control
  - Host API for Tablets, Laptops and M2M Devices
  - Multiple Application Support
- Timeline
  - 1.0 – Q4 2012



# OMA OpenCMAPI

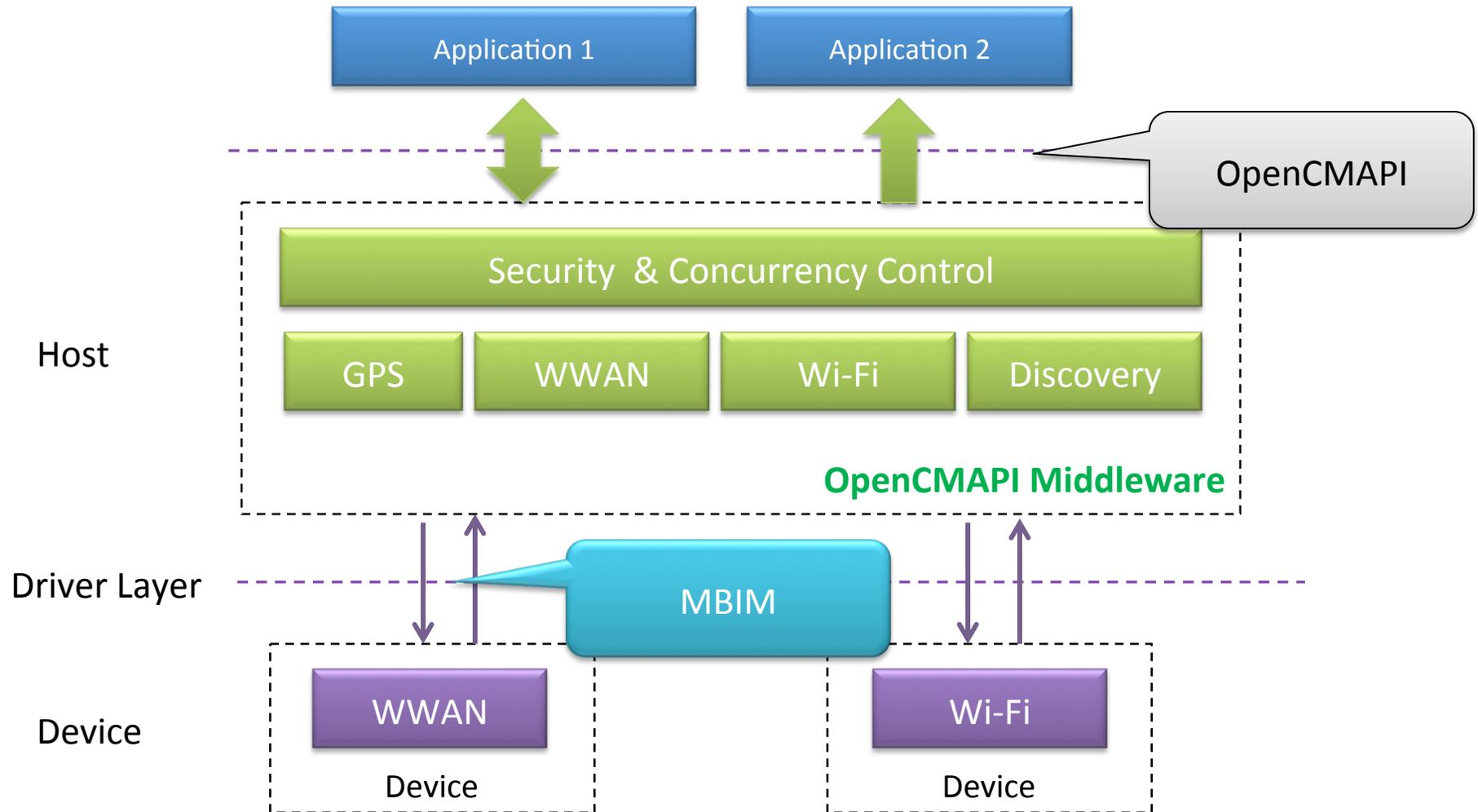


# WWAN API Landscape

- MBIM
  - “Mobile Broadband Interface Model”
  - Led by Microsoft and Ericsson
    - » Smith Micro is an Active Contributor
  - Key to Microsoft’s Windows 8 Strategy
- Focus
  - Extends Previous USB Specifications
  - Basic WWAN Connectivity over USB
- Timeline
  - Published – November 2011



# OMA OpenCMAPI & MBIM



# Mobile Hotspot Challenges

- Mobile Hotspots Today
  - Poor User Experience
  - Increased Support Costs
  - No Policy Control
- Carrier Demanded Features
  - Proactive Notifications
  - Simple Guest & Policy Management
  - Unify Hotspot and USB Device Experience

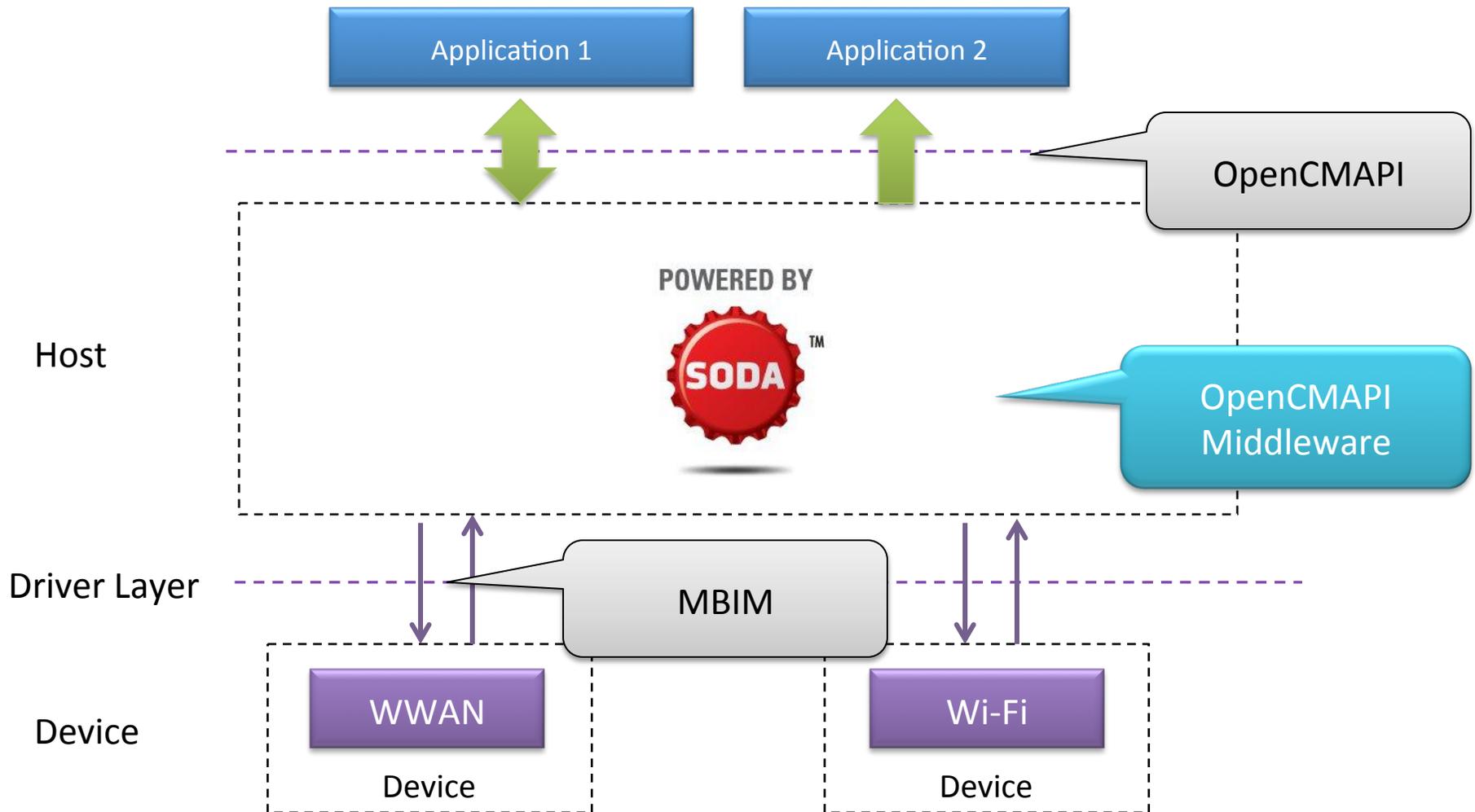


# WWAN API Landscape

- SODA
  - “Secure On Device API”
  - Standard Connectivity Language
- Focus
  - Forwards & Backwards Compatibility
  - Allow for Device OEM or Operator Extensions
  - Security Built-In
  - Support for Multiple Transports & Form Factors
  - Implementation of OpenCMAPI
- Timeline
  - Available Today



# A Complete Solution



# Summary

- Smith Micro
  - Proven Connectivity Expertise
  - Field-Ready Solutions
  - Tailored for Public Safety & First Responders
- Recommendation
  - Adoption of OpenCMAPI & MBIM



MOBILENETWORKDIRECTOR

# Thank You

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