Deploy Cisco’s Unlicensed Mobile Access (UMA) network architecture to safely deliver cellular and Wi-Fi dual-mode services

Cisco Systems® offers a comprehensive portfolio of industry-leading UMA network elements to help mobile operators optimize and secure their UMA networks. Products include the Cisco® Enhanced UMA Security Gateway Solution, the Cisco CNS Access Registrar, the Cisco IP Transfer Point, the Cisco AS5400 Series Universal Gateway, and a range of Linksys® access points.

The Cisco Enhanced UMA Security Gateway Solution—based on the widely deployed Cisco 7600 Series Router platform—implements a modular, scalable, layered defense-in-depth approach to network protection. It includes a range of market-proven security modules and the new high-density Generic Access Network (GAN) VPN blade, which complies with 3rd Generation Partnership Program (3GPP) UMA standards. This solution provides a full voice over IP (VoIP) peering point security system, a standards-based UMA security gateway, a load-balancing router, and a high-capacity switch all in one chassis.

Business Benefits:

- Market-proven security technologies
- Modular architecture for a pay-as-you-grow approach
- Layered defense in depth from malicious and unmalicious threats
- Multiple converged network elements, all on the proven Cisco 7600 Series platform

Unlicensed Mobile Access Architecture
A Secured Architecture for GSM/WiFi Voice Services

Key Protection Technologies for Malicious and Non-Malicious Threats:

- Firewall, Intrusion Prevention
- Malicious DoS Protection
  - Anomaly Detection
  - Protocol Features
- Non-Malicious DoS Protection
  - Call Admission Control
  - Bandwidth Limits/Traffic Shaping

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