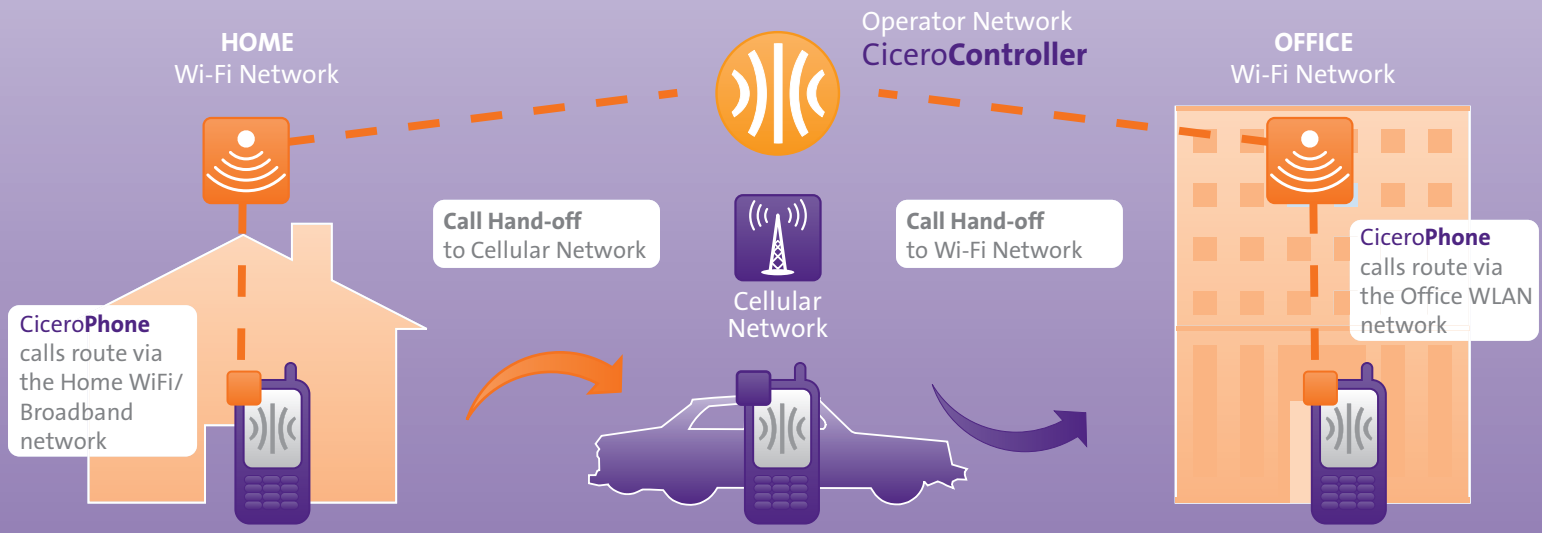


CiceroController™

FMC Mobility Manager



Fixed Mobile Convergence

Advances in wireless technology are driving the creation of services which exploit the best elements of fixed-line, broadband and mobile networks. In addition, the new generation of multi-mode handsets allow subscribers to access these new services over various network connections (Wi-Fi, GSM, CDMA, 3G) promising greater user mobility and lower communication costs.

As alternative networks emerge, the traditional boundaries between fixed and mobile telephony are changing radically:

- fixed-line operators want to extend their network reach into the wireless domain
- MVNOs want to leverage more cost-effective networks for service delivery
- cable/broadband providers want to bundle mobility services into their portfolio
- MNOs want to differentiate their services with converged offerings for the enterprise and residential markets

Cicero Networks caters for this new world of convergence enabling continuity of service across IP and circuit-switched networks.

Wi-Fi Cellular Roaming

CiceroController is an IMS Voice Call Continuity (VCC) application server that allows users to roam seamlessly between Wi-Fi and 2/3G networks without any interruption in service. For example, a call that is initiated over Wi-Fi in the home can transition seamlessly to a circuit-switched cellular network in the car and then back to Wi-Fi as the user gets into the office.

What Makes CiceroController Unique

- Supports any Operator network
- Supports IMS and pre-IMS network configurations
- Supports residential and enterprise services
- Supports single and multi-number convergence
- Supports any IMS-compliant multi-mode phone
- Supports any combination of IP and Cellular connections (Wi-Fi, GSM, CDMA, 3G, WiMAX)

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Network-independent Mobility

Uniquely, CiceroController enables both cellular and non-cellular service providers to offer a range of Fixed Mobile Convergence services without making any changes to the cellular network. Call hand-off reflects the approach adopted in the IP Multimedia Subsystem (IMS) for Voice Call Continuity allowing both cellular and non-cellular operators to provide seamless hand-off simply by routing calls through a standard media gateway.

Carrier Benefits

Deliver higher margin services

Offer innovative bundles of fixed, VoIP and cellular services from a single device, while taking advantage of lower cost networks.

Accelerate time to service launch

Deploy within a fixed, broadband, cable, cellular or MVNO network directly. No mobile network access is required.

Reduce churn, increase customer loyalty

Offer enhanced fixed-mobile converged services to enterprise or residential customers to protect the existing customer base.

Lower Opex and Capex investment

Integrate with existing infrastructure without incurring costly overheads in changing the current network.

Future-proofed investment

Deploy in pre-IMS networks today, secure in the knowledge that a full migration path to IMS is provided.

Key Features

Seamless Wi-Fi/Cellular Roaming

Enables users to roam freely between packet-switched (Wi-Fi, 3G, WiMAX) and circuit-switched (2/3G cellular networks), delivering an always-on user experience.

Minimal Network Impact

Designed to leverage existing infrastructure, removing the need to make changes to BSS/OSS applications to provision FMC users.

Single and Dual-number Services

Operators can launch services based on either a single number or multiple number model. The numbering strategy can be configured for a cellular, fixed, VoIP or office number or any combination of these.

Multi-level, Intelligent Call Routing

Optimise call routing based on cost and network availability. Dynamic call routing is enabled through cellular and IP call initiation. Inbound calls can also be terminated directly to users over IP/Wi-Fi rather than via the cellular network.

Enterprise Telephony Integration

Extend the reach of the PBX so that mobile calls made within the office (or other Wi-Fi enabled locations) are routed via the PBX rather than the cellular network. In addition, calls to employees' extensions can be routed to remote Wi-Fi locations (home, hotspot) when the users are present.

Location-based Routing

Outbound call routing decisions can be based on the location of the user. Calls being routed to different carrier and enterprise gateways depending on whether the user is at home, in the office, at a local hotspot or roaming internationally.

Enhanced NAT Traversal

CiceroController features enhanced NAT traversal techniques to ensure that media traffic is routed end-point to end-point. Avoiding the need to proxy audio reduces network load and improves quality of service.

About Cicero Networks™

Cicero Networks is one of the leading wireless VoIP solution providers globally. Cicero Networks enables service providers to deliver Fixed Mobile Convergence services to their residential and enterprise customers to increase revenues, reduce churn and lower their operating costs. Cicero Network's SIP-based solution combines both client and server-side products offering carrier-grade wVoIP services using alternative wireless networks including Wi-Fi, 3G and WiMAX. Founded in 2002, the company is headquartered in Dublin, Ireland and is privately funded. For further information, visit www.ciceronetworks.com

