Smart, Managed Wi-Fi Beyond Connectivity

Wi-Fi is the digital foundation of the home and, due to its ubiquity, has already become the dominant wireless connectivity technology for the delivery of IoT.

Leveraging Wi-Fi smarts perfected in the home environment, Celeno offers advanced Wi-Fi chipsets, edge software and cloud technology to take Wi-Fi beyond connectivity into the realm of smart homes, smart cities, smart buildings and smart industry. In IoT device-proliferated environments, Celeno fulfills the promise of a hyper-connected world and expands horizons for data-driven services.

Celeno's integrated three tiered solution delivers the best Wi-Fi User Experience, network manageability, and operational efficiency. Celeno's field-proven Wi-Fi chipsets and software have been successfully integrated into numerous OEM devices and have been deployed in tens of millions of homes around the world by almost 100 leading service providers worldwide including Liberty Global, Time Warner Cable, Sky, Deutsche Telekom, Orange, Vodafone, Bouygues Telecom, Guangdong Cable Networks, Astro and many more. You'll find Celeno-based products in home gateways, routers, set-top boxes, Wi-Fi access points, Wi-Fi extenders, IoT hubs, enterprise access points, hotspot devices, trans-portation devices and industrial Wi-Fi devices, designed and manufactured by OEM customers such as Samsung, ARRIS, Technicolor, Compal, Sagemcom, ZTE and more.

Celeno is headquartered in Ra'anana, Israel, has offices in the US, China, Taiwan, Korea and the UK, and operates globally.

Silicon Technologies

Optimized for dense environments, Celeno's high performance silicon deliver features above and beyond the IEEE standard to ensure exceptional Wi-Fi QoS, coverage, and capacity. Celeno's Argus RF and DSP-based spectrum analyzer and intelligence engine is embedded in the silicon as are Smart Antenna Steering (SAS) algorithms that enhance the performance and coverage in different environments, ranges and interferences.

Edge Software

OptimizAIR™ Software defined Wi-Fi Virtualization

OptimizAIR enables prioritized airtime management via dynamic allocation of Wi-Fi resources of any single access point per multiple virtual networks (SSID) per service, per device and per traffic direction. It enables various applications to be served simultaneously over Wi-Fi with different enforced priority and capacity.

ControlAIR™ Smart Multi-AP Wi-Fi Controller

ControlAIR enables multiple smart Wi-Fi access points to work better together. Wi-Fi repeaters, extenders, IoT hubs and gateways can be deployed in harmonious and synchronized co-existence. It enables intelligent network behavior such as client handover and load balancing between Wi-Fi cells, clients steering, radio planning and more.

Cloud Analytics & Control

Celeno's cloud solution delivers a centralized, self-learning, self-healing, data monitoring, logging, reporting, analytics, and optimization engine for ultimate network performance.