ORIGIN DOCSIS
INNOVATIVE WiFi SOLUTION

THE ULTIMATE HOSPITALITY WiFi SOLUTION

Consider a DOCSIS-based Internet Solution to leverage existing coax infrastructure and deploy a cost-effective, high-performance Internet network.

WHAT IS DOCSIS?

DOCSIS (Data Over Cable Service Interface Specification) is the standard technology used by cable companies to deliver ultra-fast, broadband Internet over existing coaxial infrastructure to millions of customers around the world. Compatible with all major Wi-Fi access points, DOCSIS modems allow the same coax cable that is carrying video signals to be utilized for Internet traffic

For hoteliers, this means that DOCSIS allows hotels to improve the guest Wi-Fi experience without tearing apart walls or taking rooms out of service often at significant savings versus installing Ethernet.

WORKING WITH DOCSIS

A DOCSIS-based Internet service has capabilities to deliver **10 to 20 times higher throughput** than needed for today's streaming video usage such as Netflix – **DOCSIS exceeds typical circuit size, with 1.25Gbps per 250 rooms.**

Should Your Hotel be Considering DOCSIS?

Wi-Fi Internet is the number one amenity to 94% of guests[*]. Having poor or unreliable Internet Service impacts guest satisfaction levels. Because DOCSIS makes use of a hotel's existing coax wiring, it is a solid Internet upgrade option for many properties that don't want to re-wire or take rooms out of service.

Model DOCSIS Candidates

- **Large properties** where scale and scope of re-wiring would be prohibitive

- **Legacy and historic sites** where construction would ruin the aesthetic or disturb hazardous materials

- **Concrete buildings** or sites with reinforced wall structure materials making it difficult to bore or re-wire

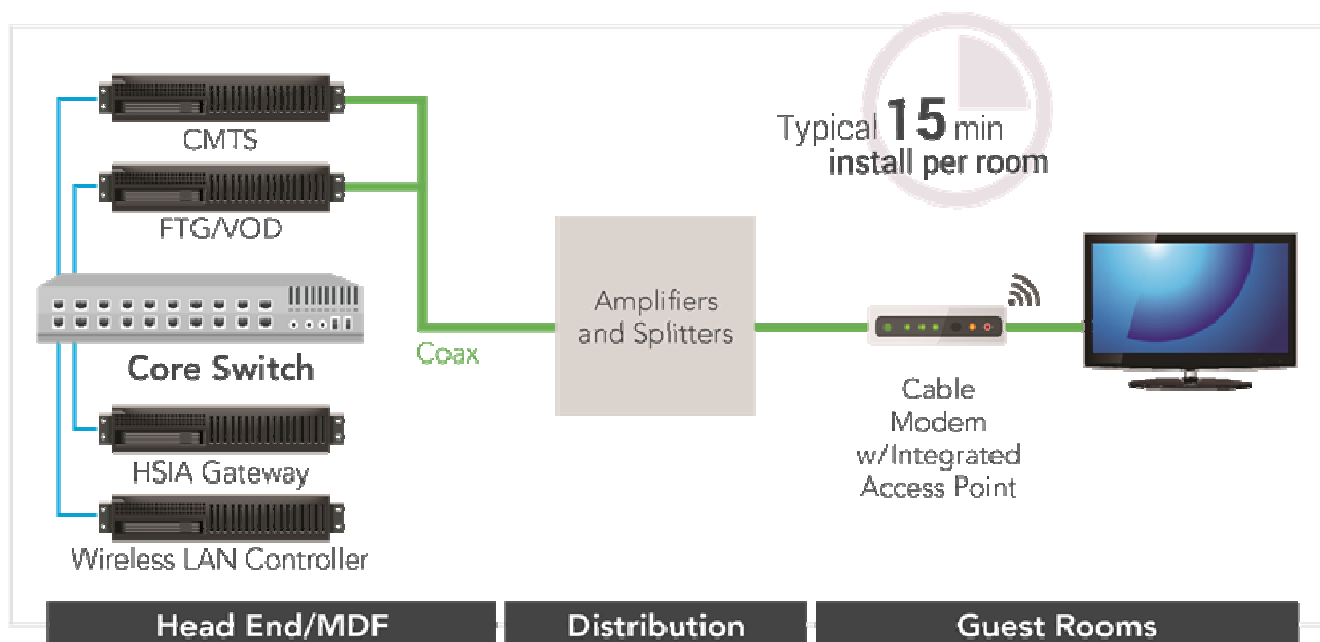- **Highly-occupied hotels** that are not able to take rooms out-of-service

Because DOCSIS coexists on the same coax cabling as Free-To-Guest (FTG) & Interactive TV (iTV), the solution provider must be experienced with Radio Frequency (RF) and Master Antenna TV (MATV) networking technology as well as IP to appropriately survey the site, select the adequate equipment, and properly design and implement the wireless network leveraging a DOCSIS solution.

Each deployment presents challenges due to environmental factors, cabling quality & quality of the FTG & iTV installation. With 30+ years of IP Networking and Wi-Fi deployment experience, ORIGIN is adept at installing and maintaining DOCSIS Internet solutions maximizing connectivity and uptime.

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A DOCSIS installation is relatively straightforward and routine – with a typical per room installation time of 15 minutes. After installation, ORIGIN's team continues to monitor and tune the MATV plant to optimize the system's performance, while also monitoring actual bandwidth usage. The following diagram represents a usual DOCSIS installation in a hospitality setting

CMTS

FTG/VOD

Core Switch

HSIA Gateway

Wireless LAN Controller

Coax

Amplifiers and Splitters

Typical **15** min install per room

Cable Modem w/Integrated Access Point

Head End/MDF   **Distribution**   **Guest Rooms**

DOCSIS KEY BENEFITS :

LIMITED DISRUPTIONS

Avoided major construction and room outages limiting the impact to the guests' Internet access experience

SPEEDY PROJECT DEPLOYMENT

Thanks to DOCSIS technology, No new cable infra needed, making Wi-Fi installation process easiest like never before

CONTROLLABLE AND MANAGEABLE

Centralized manage, remote setup and troubleshooting, monitoring, remote firmware upgradable, Traffic QoS and bandwidth control

IMPROVED PERFORMANCE

Putting an AP in each room created better performance for multiple device connections and a better experience for personal mobile device users.

IMPROVED ACCESS

Connectivity increased in the guest rooms, public spaces, and conference center. Guests have quality Wi-Fi service throughout the entire property.

MOST ECONOMIC Wi-Fi SOLUTION

Provided a reliable network for substantially less cost than the estimates for installing wired APs (not even in every room) which involved major renovation costs for re-cabling.

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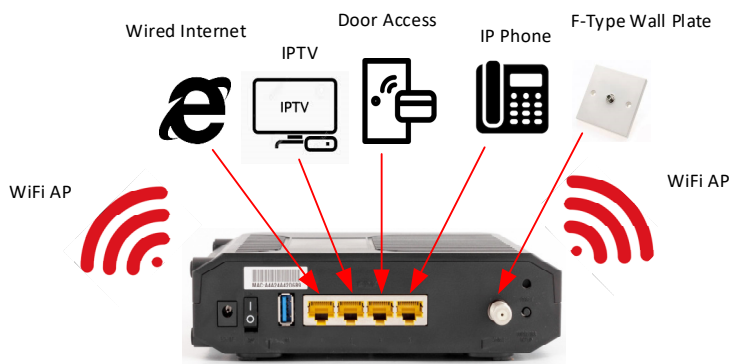
SIMPLE and RELIABLE

DOCSIS consists of only 2 major components, hence lesser point of failure and better reliability
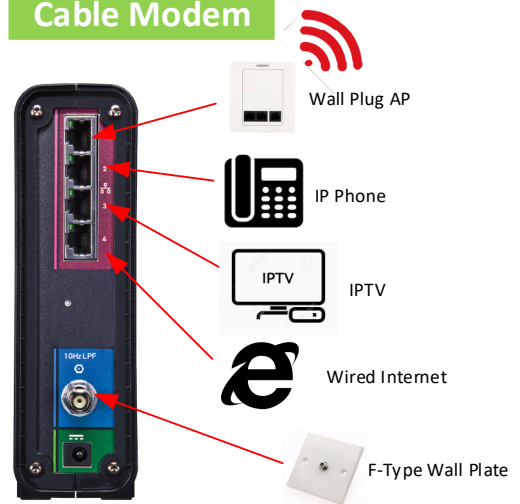
TRIPLE-PLAY SERVICE

Video, Voice and Data makes possible in every guest room. Every Wi-Fi modem comes with 4-port switch sit next to TV set, ready for future IPTV and IP Phone applications

TYPICAL 'DOCSISed' HOSPITALITY

Wi-Fi Cable Modem

Wired Internet

Door Access

IP Phone

F-Type Wall Plate

IPTV

WiFi AP

WiFi AP

Cable Modem

Wall Plug AP

IP Phone

IPTV

Wired Internet

F-Type Wall Plate

1GHz LPF

IPTV

IP Phone

Cable Modem

STB Box

Free WiFi

THE ULTIMATE HOSPITALITY WiFi SOLUTION

DOCSIS 3.0 : 8X4, 4 Port Switch

DOCSIS 3.0 : 8X4, 4 Port Switch, WiFi AP

Indoor DOCSIS 3.0 CMTS

Outdoor DOCSIS 3.0 CMTS

Company Name :

Address and Contact :