

# Ethernet Over Coax Infrastructure

## Solution for Hotels

### KEY FEATURES

- Inexpensive and easy deployment
- Supports up to 300Mbps data transfer
- Supports up to 255 clients per single EOC master device
- Supports all known network distribution types
- Supports IPTV, PPV, VOD, IPTV multicast, ISP, VOIP services

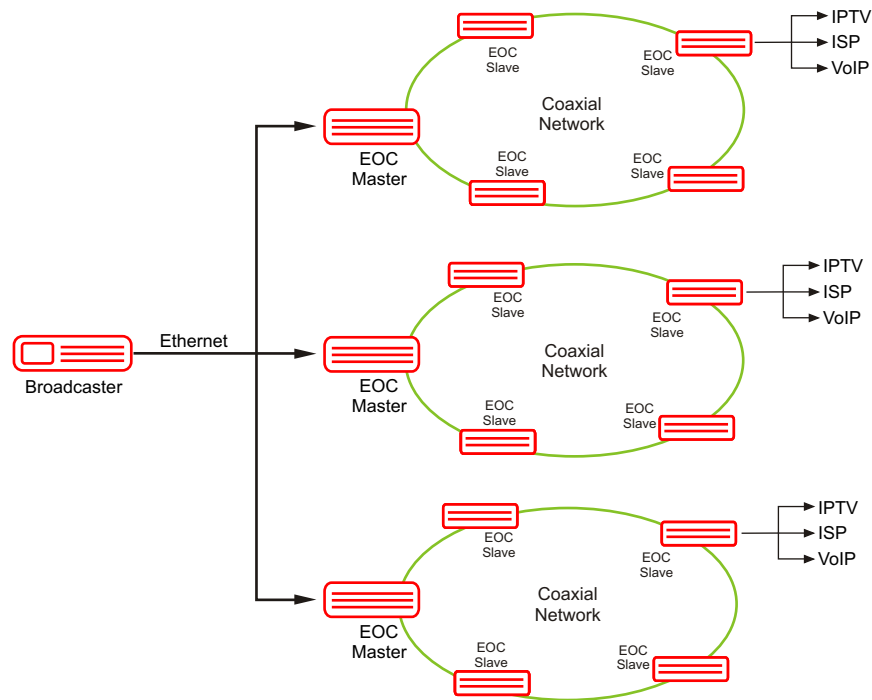
### Problem:

Hotel operator needs to upgrade their guest services to include Digital IP Television (IPTV), Pay-Per-View(PPV), Video-On-Demand (VOD), Internet Access (ISP), and Voice-Over-IP (VOIP) technology. Their internal infrastructure is coaxial cable based and has limitations that do not allow this new set of services to be enabled.

### Solution:

Sysmaster Corporation offers technology solution that allows easy conversion of coaxial networks into IP networks while preserving the original cable television capability. The technology is called Ethernet-Over-Coax (EOC) and allows packets to be transmitted two-way using coaxial networks. The EOC technology supports all known network distribution types including UDP, TCP, multicast, VLAN, and others.

The equipment should be connected as shown



### **Inexpensive and easy deployment**

Sysmaster Corporation offers inexpensive way of conversion of any coaxial network into IP packet based computer network that can carry all network services with high bandwidth capacity. The technology usually requires one or more EOC master devices that communicate natively to a large number of slave EOC devices. The slave EOC devices should be placed in the guest rooms and contain multiple Ethernet ports to allow easy deployment of IPTV, VOD, PPV, ISP, and VOIP services without additional network equipment. No re-wiring or modification to the cable infrastructure is required in existing buildings and residential/business complexes.

### **Supports IPTV, PPV, VOD, IPTV multicast, ISP, VOIP services**

Sysmaster EOC technology supports different types of network protocols such as unicast and multicast UDP, TCP, ICMP, VLAN. The created network resembles LAN and allows easy control and access to all slave EOC devices that function as transparent Ethernet bridges.

### **Supports up to 100Mbps data transfer**

The EOC technology supports high capacity data transfer of 300Mbps to allow unicast or multicast IPTV, ISP, and VOIP service distribution. The technology is scalable and can send this data stream to each individual coaxial cable line.

### **Supports up to 64 clients per single EOC master device**

One master EOC device can control up to 255 slave EOC devices and distribute bandwidth among them. One master EOC device can function on a single coaxial circuit thus allowing client partitioning and scalability.

### **Supports all known network distribution types**

Sysmaster EOC technology supports different types of network protocols such as unicast and multicast UDP, TCP, ICMP, VLAN. The created network resembles LAN and allows easy control and access to all slave EOC devices that function as transparent Ethernet bridges.



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