

# Magnum Products Bring the Internet to Hotel Guests

## Ethernet LAN for travelers

### The Problem

The Mobedshahi Hotel Group (MHG), who has licensing franchises with the Hyatt San Jose and the Hyatt Sainte Claire, recently began to install Internet access in some of its hotel rooms. Before MHG could begin the installation at the hotels, management had to address three key issues:

1. Efficiently networking all of the rooms on each floor together
2. Addressing the distance problems (the Hyatt Sainte Claire is a six-floor tower);
3. Installing an affordable network of high quality that would maintain the hotel's standard for service.

The hotel wanted to make it easy for guests to access the Internet. After all, Internet access should be a convenience not a hassle!

### The Solution

Jeff Virgil, Corporate Controller for the Mobedshahi Hotel Group, turned to GarrettCom for an efficient, affordable LAN solution.

1. *To network computers in the rooms on each floor together, Virgil selected the Magnum 3000 Stackable Hubs. These feature-rich hubs were configured with an SNMP agent to provide the necessary management, and were priced right!*
2. *To solve the distance problems when connecting the floors together, Virgil simply connected fiber to the rear bonus port of each Magnum 3000. The bonus port was factory-configured with a multi-mode fiber-ST port module (RPM-FST), providing a fiber port as part of each hub.*

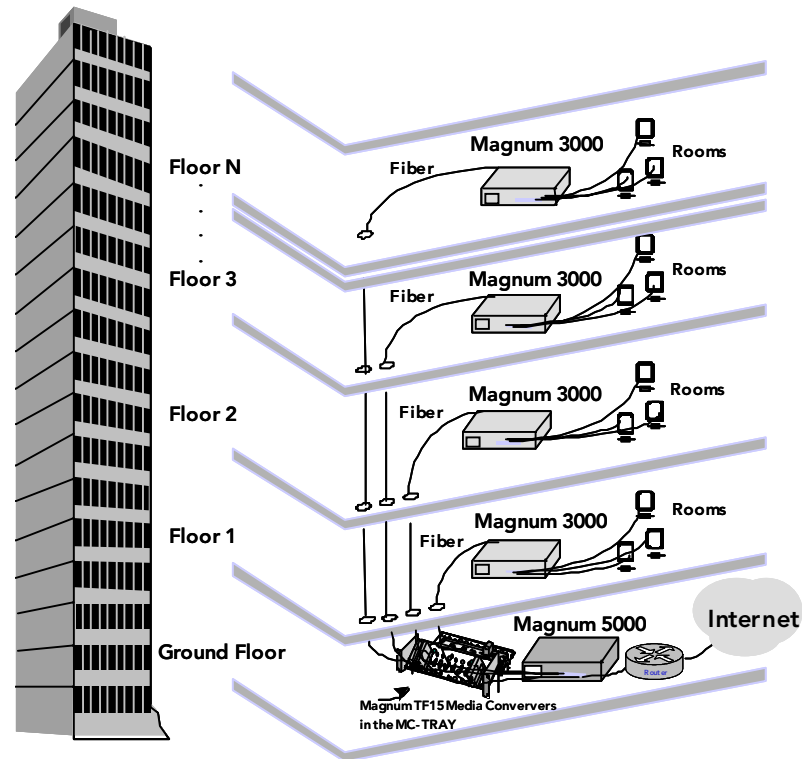


Figure 1: The Hyatt Sainte Claire, providing Internet access

To connect the fiber segments into the backbone, Virgil chose the Magnum TF15 Media Converters and a Magnum 5000 Switching Hub. These are located in a basement wiring closet. One fiber segment from each floor connects into a Magnum TF15 Media Converter, mounted in a Magnum MC-TRAY. Each TF15 converts a fiber segment to a twisted pair segment that is connected into a port of the Magnum 5000 Switching Hub. The switching hub then is connected to a router for Internet access (Figure 1).

3. *The affordable Magnum line met MHG's cost requirements. For example, Virgil liked the efficient use of the Magnum 3000's bonus ports, which saved money by eliminating the need for special fiber hubs or transceivers.*

## Ethernet for hotel guests in San Jose Hyatt-San Jose

### The Results

Guests at the Hyatt Sainte Claire and the Hyatt San Jose may be connected to the Internet via an Ethernet LAN in the hotel with a port in each room. No need for troublesome, slow dial-up lines. This service feature is a valuable differentiator from other hotels in the San Jose area. According to Virgil, hotel guests have frequently praised the Internet service to the front desk attendants upon checkout.

### About Magnum Products

The Magnum 3000 Stackable Hubs provide 12 or 24 shielded RJ-45 Ethernet ports, plus a configurable bonus port. The bonus port may be configured as either a switched or repeater port module and may be any of the various media options including AUI, DTE, BNC, and multi- or single-mode fiber. The 3000 Stackable Hubs (which stack to 20 high) may also be configured with an optional -48VDC terminal block for applications where -48VDC power is used as the primary power source 10BASE-T ports with one 100BASE-T switched port. All Magnum 5000 Switching Hubs feature a high-speed central processor, SNMP management agent, and store-and-forward operation.

The Magnum family of Media Converters features both Fast Ethernet and 10BASE-T Media Converters. The 10BASE-T Media Converters feature the TF15 which converts twisted-pair to multi-mode fiber; the TB15 (BNC to twisted pair), the BF15 (BNC to multi-mode fiber), the TA15 (twisted-pair to AUI), and the TF15s twisted-pair-to-single-mode fiber converter model.

Magnum Fast Ethernet Media Converters include twisted-pair to fiber-ST, twisted-pair to fiber-SC and twisted pair to single-mode fiber. Any of the Magnum 10BASE-T and 100BASE-T Media Converters may be mounted in a 19-inch rack-mountable tray, the Magnum MC-TRAY (Figure 2).

### About GarrettCom

GarrettCom is the leading supplier of Carrier Class Ethernet LAN products. GarrettCom designs, manufactures and markets a comprehensive line of ETSI and NEBS-certified hubs and switches for use in data and telecommunications systems worldwide. For more information on GarrettCom and its products, please visit [www.GarrettCom.com](http://www.GarrettCom.com).

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