Unified Management Agent (UMA)

RoHS Compliant

SNMP SOFTWARE

With the Unified Management Agent, manage up to 41 devices with a single IP address.

Centralized Management

- Manage all installed devices from a central location via the chassis with a management card
- Conduct Telnet sessions for all installed devices
- Conserve usage of switch ports; separate SNMP connections for installed devices are not required

Management Flexibility

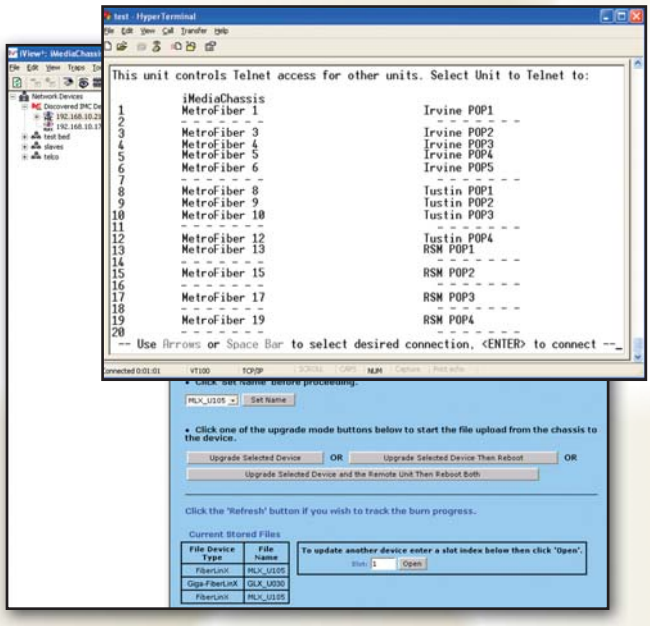
- Using UMA, manage devices from the chassis with one IP address (when used in conjunction with an SNMP Management Card) and/or separately if each is assigned an IP address

Easy Upgrades

- Upgrade any or all devices in a chassis with just a few mouse clicks
- All devices fully functional during upgrades

Supported Products

- FiberLinX Family: Includes iMcV-FiberLinX-II, IE-MiniFiberLinX-II and iMcV-Giga-FiberLinX-II
- AccessEtherLinX



Centralized management makes practical sense for networks of all sizes, especially service provider networks that must monitor and upgrade large quantities of devices. The Unified Management Agent (UMA) allows operators to manage all devices installed in an IMC Networks iMediaChassis with a single IP address from a central location. In addition, UMA allows users to centrally manage and administer firmware upgrades over multiple devices.

UMA operates in conjunction with IMC Networks devices with on-board intelligence (e.g. the FiberLinX-II series) and the iMediaChassis series. For example, install 20 FiberLinX-II devices in the chassis at the Central Office (CO) then connect each to a remote iMcV-FiberLinX-II unit installed at the customers premise (CPE); UMA will then allow users to manage all 41 devices (including the chassis at the CO) via a single IP address. Users may still assign IP addresses to each FiberLinX-II and manage them independently when the SNMP Management Card within the iMediaChassis is omitted.

With the Unified Management Agent

When an SNMP request for a FiberLinX-II comes in, the SNMP Management Card in the iMediaChassis passes the request to the SNMP agent in the specific module. The SNMP agent in the FiberLinX-II provides the relevant management information, which is then routed via the SNMP Management Card and supplied to the client GUI (iView²).

Without the Unified Management Agent

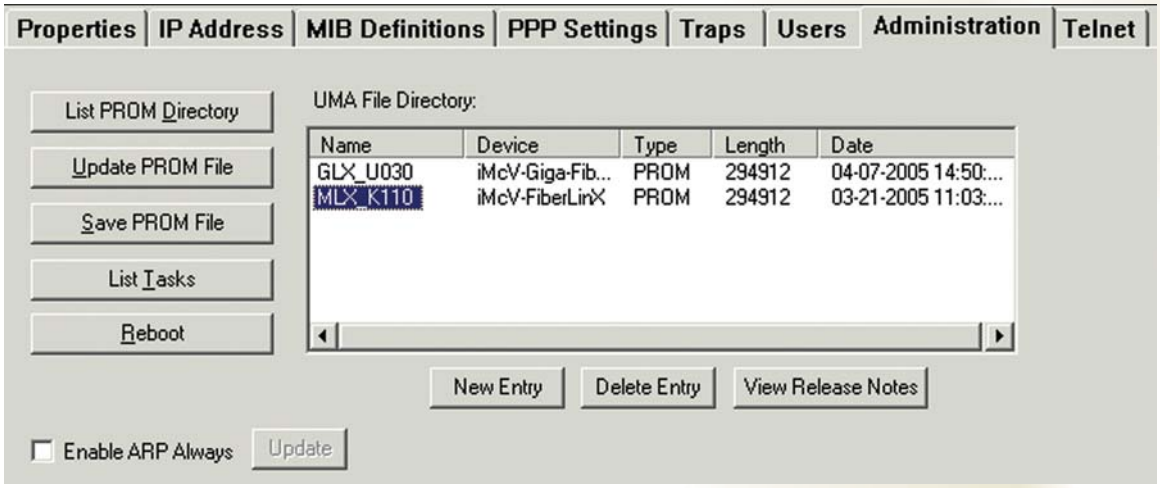
When an SNMP request for a FiberLinX-II comes in, the iMediaChassis cycles through each slot, checking for FiberLinX-II modules. The iMediaChassis sees the FiberLinX-II modules in the chassis, and they can be selected, but they can't be managed; the full management interface is inaccessible. Management for each FiberLinX-II requires a separate connection, and a separate IP address.

Easy Upgrades With the Unified Management Agent

- Upgrade one or multiple Host (CO) or Remote (CPE) devices with just a few mouse clicks
- All devices in chassis are fully functional while upgrades are in process
- Manage up to 41 devices with a single IP address
- Telnet capability available for all devices
- Conserve usage of switch ports; separate SNMP connections for installed devices are not required

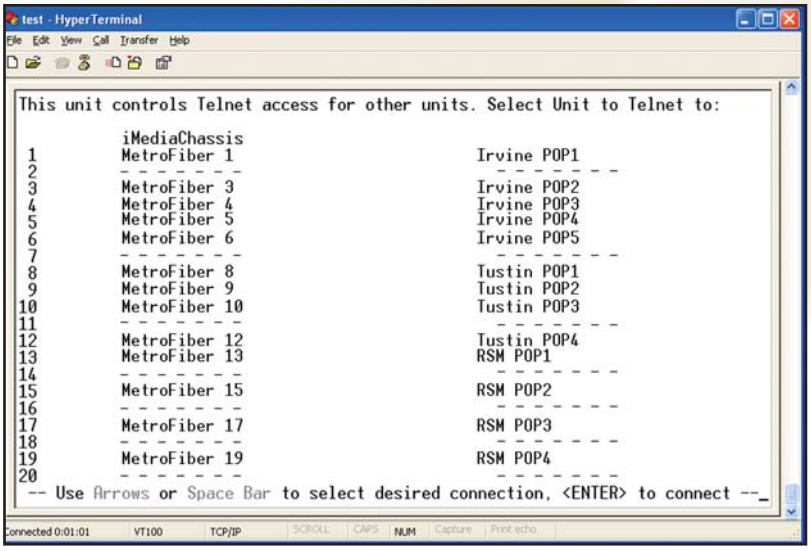
File Management for Upgrading

The following screen, located in the iConfig utility of iView², shows the File Management functionality of the Unified Management Agent. Here, operators can easily upload and store new firmware versions for upgrading multiple devices installed in, or connected to, an iMediaChassis.



Telnet Session

With the Unified Management Agent, users can also manage multiple devices installed in, or connected to, an iMediaChassis via a Telnet session. In addition, if a user decides to assign an IP address to a given device in the chassis, he/she can concurrently launch a Telnet session for the device as well as the chassis.
In the example below, the devices listed on the left (e.g. MetroFiber 3) represent Host FiberLinX-II units while the devices listed on the right (Irvine POP 3) represent Remote FiberLinX-II units. The names (SNMP sysName) given to each FiberLinX-II device are easily assigned/changed via iView², serial configuration, etc.).



NOTE: iView² cannot be used to monitor or manage non-IMC Networks products.
NOTE: Please refer to the respective datasheets for each product iView² supports, as well as the iView² datasheet, for more information on the given product.

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