

# (3)Connect Modem

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(3)CONNECT MODEM – COMPLETE OUTSOURCING OF YOUR DIAL-UP NETWORK

## PRODUCT OVERVIEW

### THE COMPLETE OUTSOURCING SOLUTION

If you are an Internet Service Provider (ISP) or large corporation, our (3)Connect Modem service allows you to provide dial-up connections to the Internet without incurring the costs associated with maintaining your own infrastructure. Currently, Level 3 processes more than 13 billion minutes per month over its (3)Connect Modem service.

### HOW DOES IT WORK?

You purchase ports in Level 3 Gateways for an all-inclusive per-port or per-minute fee, and we provide:

- Your local dial network infrastructure and local numbers
- Traffic termination to the Internet
- Network management and operations support

### HOW DO YOU BENEFIT?

- **Competitive Cost per Port** – Most large ISPs outsource management of their dial network to avoid the capital and operating expense. Outsourcing your ports lets you enjoy similar variable costs with the added benefit of the 40–60% lower cost position of our Softswitch network.
- **Improved Network Quality** – Outsourcing your network to Level 3 provides your end users with the same high quality experience as those of the largest ISPs.
- **Focus On Winning** – Our services allow you to focus on the activities where you enjoy a competitive advantage and to outsource the rest to Level 3.
- **A Global Network In Five Days** – Level 3's global presence lets you conduct business in most major markets around the world without additional capital equipment or the need for a local network management organization.
- **Virtual Ownership** – A suite of network and customer management services lets you manage our Network as if it were your own. Services include billing options (flat rate, usage), real-time installations, comprehensive network and operations tools, rapid response to issues, and quick repair.

### (3)CONNECT MODEM SERVICE TYPES

**Our Transit Service** allows you to rely on Level 3 to route all incoming traffic directly to the public Internet. This enables you to completely off-load the responsibility of terminating and routing all end-user traffic. By dialing a local number provided by Level 3, your end users send their data traffic over this dial-in connection to modems that are housed in the Level 3 Gateway facility. Level 3 then sends your end users' traffic to its final destination through high-speed Internet

connections. We can get you up and running in five days on our Transit service.

**Our Nationwide Access Service** combines a toll-free (800) number with Level 3's Transit service to provide access to the Level 3 dial access network to calls originating anywhere in the United States, Guam, Puerto Rico, U.S. Virgin Islands, and the Commonwealth of the Northern Mariana Islands (CNMI).

### SOFTSWITCH – THE TECHNOLOGY BEHIND (3)CONNECT MODEM SERVICE

At the heart of Level 3's call processing technology is our Softswitch technology. Softswitch supports the conversion of analog or traditional digital calls into data packets. Upon conversion, the call is transmitted using Level 3's lower-cost, more-efficient, Internet Protocol (IP) based network.

### FEATURES

- V.92 support to bridge the gap between dial-up and broadband
- High-speed connections to major network access points (NAPs) and metropolitan area exchanges (MAEs), and multiple high-speed connections to other major carrier backbones
- Rapid termination of your end users' sessions or those sessions that appear active but are actually terminated, via our Zap API feature
- Dynamic Filters allow you to specify the behavior and connection requirements of a dial-up connection
- Support for analog and ISDN (64 Kbps) traffic at all NAPs
- Redundant hardware and network infrastructure
- Rapid network growth to support future traffic increases
- Support for current hardware and software, eliminating technological obsolescence
- 24 x 7 network surveillance and management. Your one-stop TCAM (Technical Customer Account Manager) will be pleased to assist you with all aspects of your account

### GEOGRAPHIC AVAILABILITY

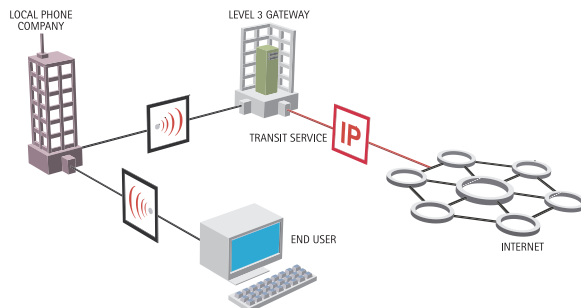
(3)Connect Modem service provides local dial-up service covering nearly 90 percent of the U.S. population.

### IP ADDRESSING

**Dynamic Addressing:** The default option for all (3)Connect Modem customers is dynamically allocated IP addresses that are assigned to end users.

- Level 3 will dynamically assign IP addresses to your end users out of our own pool of addresses.

*(3)Connect<sup>SM</sup> Modem is a service mark of Level 3 Communications, Inc.*



### (3)Connect Modem

End users dial into the Internet via a personal computer and a standard modem connection. The call is routed through the local phone company into the Level 3 Gateway where, for example, an ISP customer's equipment is located. Using Softswitch technology to convert the transmission, Level 3 routes the call via the Level 3 broadband Network to the public Internet.