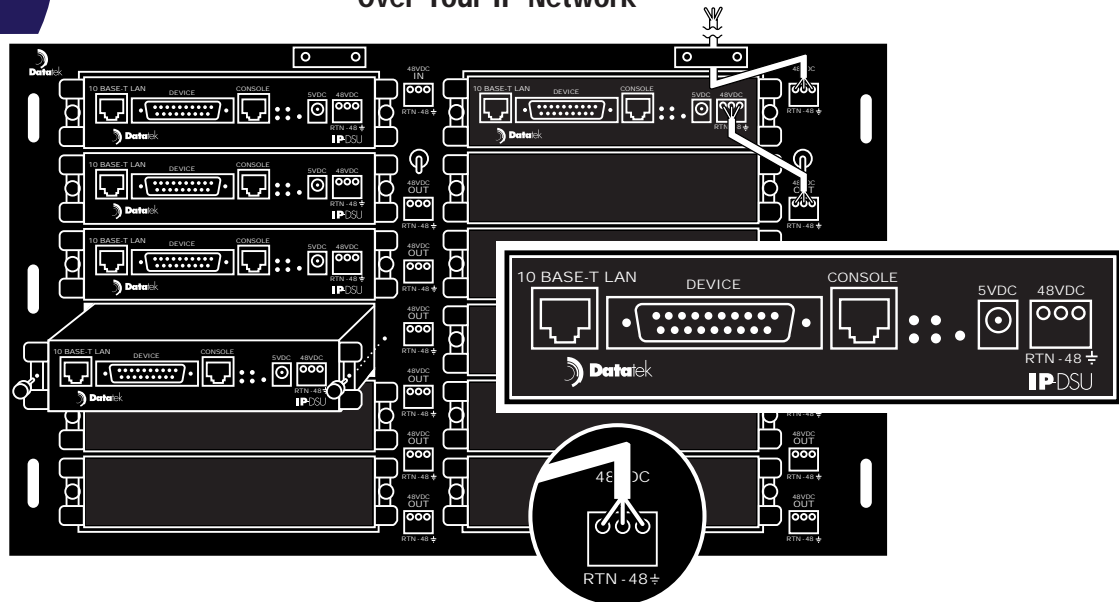


IP-DSU

Transport BNS-2000/BNS-2000 VCS Traffic Over Your IP Network



Your CO LAN and the Lucent Technologies BNS-2000 Family of Products investment is protected, now more than ever, and the future cost per network element connection has been reduced dramatically.

The Internet Protocol-Data Service Unit (IP-DSU) allows for an incremental transition from your existing network to the more flexible world of seamless interoperability that is inherent in the routed networking technology world.

The Internet Protocol-Data Service Unit (IP-DSU) can now be used as a more efficient transport vehicle for your existing BNS-2000/BNS-2000 VCS traffic, eliminating the additional investment required in facilities and DSU/CSUs. The Internet Protocol-Data Service Unit (IP-DSU) will help maintain network availability, reliability, and stability while allowing this transition to occur according to a prescribed budget.

What is an IP-DSU?

The IP-DSU allows router networks to carry both its original traffic and its new BNS-2000/BNS-2000 VCS trunk traffic simultaneously. The IP-DSU replaces an existing, conventional DSU on each end of the circuit and eliminates the interconnecting dedicated facility.

Eliminate Duplicate Trunk Facilities

The IP-DSU obviates the need for duplicate trunk facilities by establishing a single network. This represents enormous savings for each trunk facility eliminated.

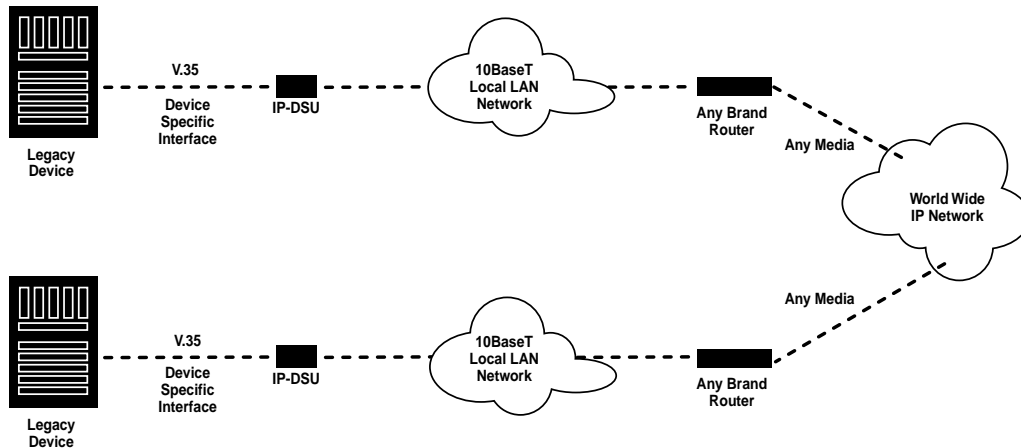
Reuse Existing Cable

The existing cabling between the BNS-2000/BNS-2000 VCS entity and the conventional DSU can usually be reused. The opportunity to reuse existing cables and infrastructure to combine the two networks may result in large cost savings.

Built-In Flexibility

The compact IP-DSU is available in both stand-alone and rack-mount versions to fit various space and configuration requirements. The IP-DSU is available as either a 115V/220V AC or 48V DC powered unit.

IP-DSU



Trunk Types

Description

BNS-2000/BNS-2000 VCS Digital Data Service (DDS) Trunk

This option supports all the trunks in the BNS-2000/BNS-2000 VCS product line that use the DDS transport protocol (SAMML, SAMSL, SAMDL, TRK-64, TRK-DDS and TRK-PQ).

BNS-2000/BNS-2000 VCS Standard Wire (SWT)Trunks

This option supports all the trunks in the BNS-2000/BNS-2000 VCS product line that use the SWT transport protocol.

BNS-2000/BNS-2000 VCS Trunk-T1 Trunks

This option supports the BNS-2000 TRK-T1 and T1-TRK modules.

Generic SDLC/HDLC

Any version of SDLC or HDLC is supported with this port configuration. Supported speeds range from 9600 bps to T1 (1.544 Mbps). Line encoding of NRZ, NRZI, and inverted NRZI are supported.

Extensive Interface Support

The IP-DSU supports a wide range of interface trunk types, allowing for flexible installation and the ability to reuse IP-DSU units as the network evolves.

Smart Network Management

The IP-DSU is easy to manage and provides several easy ways to configure and get status/diagnostic information. An industry standard Telnet connection to the IP-DSU gives you access to a command line based configuration application. In addition, a serial RS232-C connection gives you the same configuration capability. Finally, the IP-DSU is another network element that the StarKeeper® II NMS can administer, manage and maintain.

SNMP

The IP-DSU unit's resident SNMP agent supports a database of predefined SNMP MIB (Management Information Base) variables as well as SNMP Trap operations, Set operations and Get operations.

Software Update

Field software updates, which can occur from a remote location, take place while the IP-DSU is in service and transporting data. As new features and enhancements come out, you can upgrade the IP-DSU software just by upgrading to a new software release using an industry standard Telnet application or serial RS232-C connection to the IP-DSU.

Networking Solutions for the Future

The IP-DSU reflects the innovation and quality expected of Lucent Technologies. It's flexible and affordable. It allows for the building of one network instead of two. It offers ease of migration. It allows new technologies and traditional products to coexist on the same network without interrupting service, thus preserving the original investment.

