



UNIVERGE™ is NEC's IP architecture for unifying multimedia networks while enabling robust business solutions. UNIVERGE is an open and standards-based IP architecture, ensuring interoperability with other broadband media, IT equipment and business applications. It also enables seamless and mobile communication in a multi-network environment.

Founded in 1899, NEC Corporation is one of the world's leading providers of Internet, broadband network and enterprise business solutions dedicated to meeting the specialized needs of its diverse base of customers. Ranked as one of the world's top patent-producing companies, NEC has been a global innovator in the design, manufacture, service and installation of communications networks ranging from just a few stations to several thousand.

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NEAX 2000 IPS  
Internet Protocol  
Server

*Technology that  
helps you work  
smarter,  
not harder.*

A Key Component In  
Converging Your Voice &  
Data Networks

# Today's office can no longer operate or survive with pockets of separate information; The NEAX2000 IPS brings people and knowledge together.



## NEAX2000IPS Features

- Full complement of over 700 traditional NEC PBX features
- Intra-nodal (LAN) and internodal (WAN) peer-to-peer IP connectivity
- Upgradeable from all prior versions of NEAX7400ICS M100MX/NEAX2000
- Supports legacy TDM for digital and analog telephony
- Full-featured node-to-node CCIS inter-networking
- Supports full range of NEC IP telephone sets

Take advantage of all the benefits of peer-to-peer IP Telephony for your mid-sized or branch office with the NEAX2000 IPS (Internet Protocol Server) while enjoying the many hundreds of PBX features you've come to expect from NEC.

### What is Peer-to-Peer Switching?

"Peer-to-peer" switching means that the stations participating in a call are connected directly to each other through the IP network. The signals travel through the IP network but do not "go through" the switch as they do in traditional telephony. The fact that the NEAX2000 IPS can function in and support a "hybrid" network with traditional digital/analog switching, IP/TDM/IP switching and pure peer-to-peer IP switching means that users can continue to utilize their existing equipment while they phase in IP Telephony and lay the foundation for future networks.

### Reduced Costs of Peer-to-Peer IP Connectivity

The NEAX2000 IPS retains all the features of the popular NEAX7400ICS M100MX/NEAX2000IVS2, while offering significant cost savings associated with peer-to-peer Telephony such as:

#### Converged WAN Infrastructures -

Pay for service and maintenance of one network rather than two. By transporting voice signals across the Wide Area Network as IP packets, users can integrate their voice traffic with their data traffic.

#### Converged LAN Infrastructures -

Establish voice calls across the 10/100 Ethernet Local Area Network utilizing the existing plant cabling and allowing single-cable termination to the desktop.

#### Reduced Equipment Requirements -

Reduce the need for cards while minimizing the required plant footprint as well. In traditional TDM telephony, a single port is required for each station and each tie line connection. With IP connectivity, multiple calls are controlled through a single 10/100 Ethernet port while voice travels directly between the user telephones.

### Investment Protection

Even if you're not ready to migrate to 100% IP Telephony immediately, the NEAX7400ICS M100MX/NEAX2000 IPS supports traditional circuit-switched telephony (Time Division Multiplexed) on both the trunk and line sides. This simultaneous compatibility allows current users of NEAX systems to retain their existing TDM equipment (thus protecting

their original investment) as they begin to make the migration to pure IP Telephony. All previous versions of the NEAX2000 can be upgraded to the NEAX2000 IPS easily and inexpensively.

### Functions Alone or in a Network

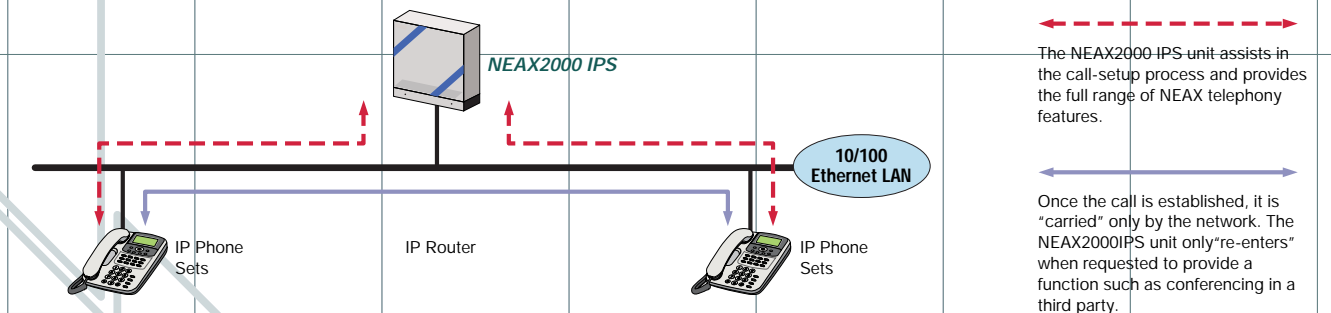
The NEAX2000 IPS functions as a standalone telephony system supporting both IP and traditional circuit switched connectivity.

As such, it can support up to 512 stations and 240 digital trunks. Yet it can also be networked with full feature transparency into a system with other NEC telephony devices such as the NEAX2000IVS2, the NEAX2400 IPX and, of course, other NEAX2000 IPS units. In this case, the NEAX2000 IPS supports node-to-node peer-to-peer connectivity. Up to 255 NEAX2000 IPS nodes can be networked together.

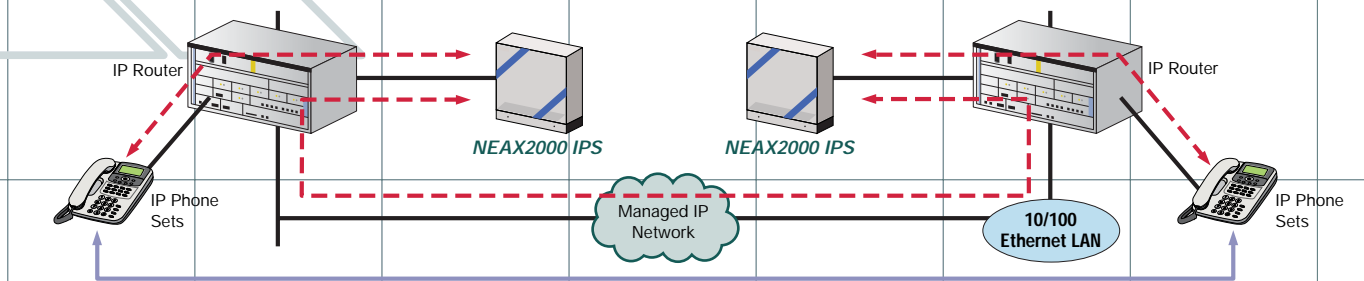
### The Bottom Line

The NEAX2000 IPS offers the full range of PBX features while utilizing less equipment and occupying less floor space than a traditional PBX. Additionally, NEC's broad range of IP phone sets all have a multi-port switch built in, thereby enabling one-cable termination to the desktop. Furthermore, with NEC's migration strategy, you can switch to IP Telephony now or in the future while protecting your investment.

### Node-to-Node Peer-to-Peer IP Connectivity In LAN



### Node-to-Node Peer-to-Peer IP Connectivity Across WAN



### The Promise of NEON

Migration with investment protection is the cornerstone of NEC's Enterprise Open Network (NEON). NEON embodies NEC's philosophy that drives development of complementary communication solutions for OPEN networks, delivering value-added capabilities and quality of service, while protecting investment; all without compromising the user experience.