

Empowered by Innovation

NEC



NEAX 2000 IPS
INTERNET PROTOCOL SERVER

Technology that helps you work smarter, not harder.

Today's office can no longer operate or survive with pockets of separate information; The NEAX2000IPS brings people and knowledge together.

Take advantage of all the benefits of peer-to-peer IP telephony for your mid-sized or branch office with the NEAX2000IPS (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 NEAX2000IPS 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 NEAX2000IPS retains all the features of the popular NEAX7400ICS M100MX/NEAXPABX Series, 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/NEAX2000IPS supports traditional circuit-switched telephony (Time Division Multiplexed) on both the trunk and line sides. This simultaneous compatibility allows current users of NEAXPABX Series systems to retain their existing

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.



TDM equipment (thus protecting their original investment) as they begin to make the migration to pure IP telephony. All previous versions of the NEAX7400ICS/M100MX, NEAXPABX Series can be upgraded to the NEAX2000IPS easily and inexpensively.

Functions Alone or in a Network

The NEAX2000IPS 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 NEAXPABX Series, of course, other NEAX2000IPS units. In this case, the NEAX2000IPS supports node-to-node peer-to-peer connectivity. Up to 255 NEAX2000IPS nodes can be networked together.

The Bottom Line

The NEAX2000IPS 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.

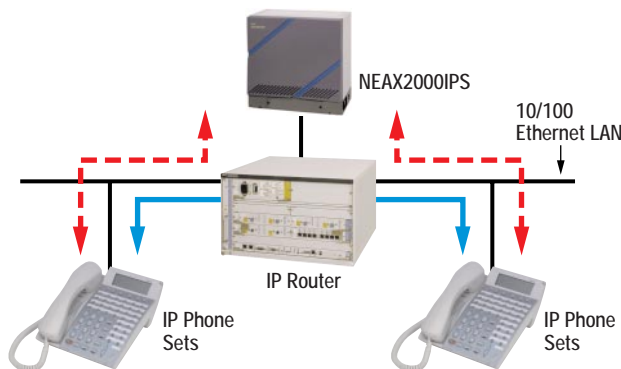
NEAX2000IPS Features

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

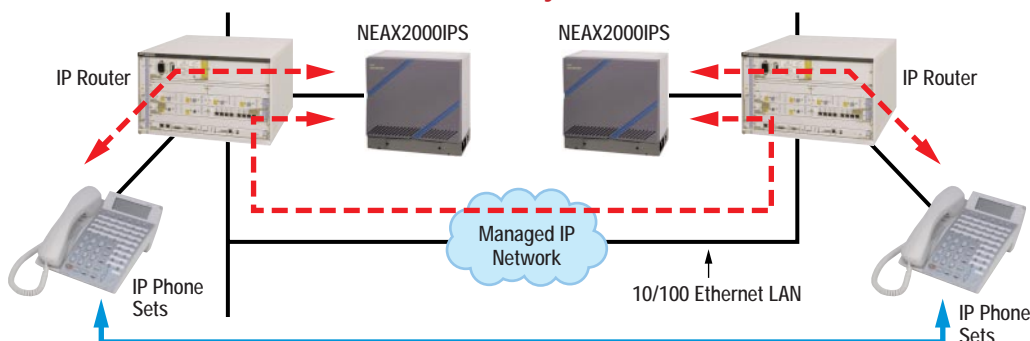
←→
The NEAX2000IPS unit assists in the call setup process and provides the full range of NEAX telephony features.

←→
Once the call is established, it is "carried" only by the network. The NEAX2000IPS unit only "re-enters" when requested to provide a function such as conferencing in a third party.

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



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





Specifications are subject to change without notice.

Visit our website at <http://www.neaxnet.com>

0202507KM
Printed in Japan
Revision2.0

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