



## >THIS IS THE WAY

TO GAIN THE ADVANTAGES OF IP  
FOR NORSTAR SYSTEMS

>THIS IS NORTEL™

### Product Brief

#### Nortel Norstar Voice over IP Gateway

*For Norstar Integrated Communications Systems*

#### Take advantage of IP for your business voice communications

Do you need a way to send voice and fax traffic among the many locations of your business, without paying for toll charges or private leased lines on the public telephone network? Do you want employees in various locations to be able to connect easily with four-digit dialing? Will your business soon require the productivity advantages and cost savings of Voice over IP (VoIP)?

If the answer to any of these questions is “yes,” our answer is a Norstar\* VoIP Gateway — a cost-effective VoIP trunk-side networking solution that enables voice to be handled over the data infrastructure. This compact platform works with Nortel Norstar Compact Integrated Communications Systems and Modular Integrated Communications Systems that use any release of Norstar software.

The gateway interfaces to the Norstar system use up to four loop-start analog

line ports and provide a 10/100BaseT Ethernet connection to the IP network. There’s no need for an expensive IP gatekeeper in a small network, because an IP routing table in the Norstar VoIP Gateway can determine the appropriate destination IP address.

Now, small and medium-sized businesses have a way to exploit IP for voice communications — with minimal capital investment and low risk.

#### Connect company locations without incurring toll charges

Norstar VoIP Gateway provides a trunk-side interface to an IP network, so you can use your existing company LAN or WAN to transport voice and fax traffic among locations. Each gateway supports up to four H.323 IP trunks, all available for incoming and outgoing calls.

You can apply IP quality-of-service mechanisms, such as DiffServ, to that inter-office traffic, so you can be sure voice traffic gets the high priority it

requires. Voice compression, echo cancellation and buffers also contribute to deliver the voice quality you expect.

By IP-enabling your Norstar system, you get more value from your existing data network while eliminating toll charges between sites. This first step into VoIP also sets the stage for implementing transaction-based, integrated applications that capitalize on IP capabilities.

#### Bring distant employees into a closer community

Norstar VoIP Gateway makes it possible to extend four-digit dialing among locations, with caller ID shared from one Norstar system to another. Employees can connect with colleagues across campus or across town just as easily as they connect across the hall. The ease of four-digit dialing fosters greater communication among remote office workers and brings virtual teams closer together for greater productivity.



## Enable diverse communications systems to work together

In mediating between IP and non-IP environments, the Norstar VoIP Gateway enables Norstar systems to seamlessly interwork with other Nortel IP Telephony solutions, such as Nortel Business Communications Manager and Nortel Communication Server 1000 (formerly known as Succession\* 1000) for enterprises. When your small sites are compatible with larger sites and share a common dialing plan, your organization can project a consistent, professional image to callers, no matter which office they have dialed.

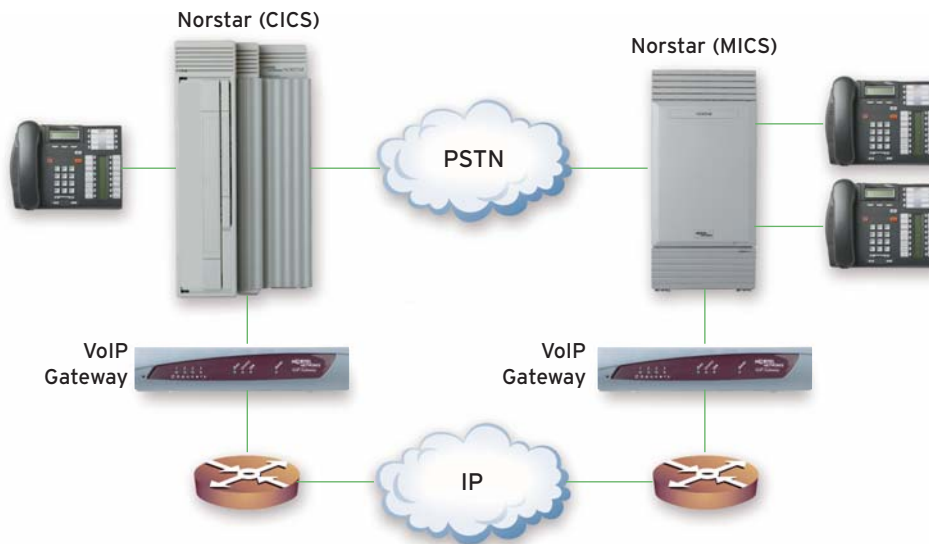
## Extend the value of existing Norstar systems as you evolve to VoIP

Norstar VoIP Gateway is the ideal solution for existing Norstar customers who are highly price-sensitive and do not anticipate requiring IP at the desktop, but who want to benefit from a single voice solution. Small businesses with multiple sites can extend the value of their proven, market-leading Norstar systems while taking advantage of IP. Larger, multi-site companies have a logical path to start migrating their voice networks to IP.

With browser-based management, the Norstar VoIP Gateway is easy to install, configure and manage. And since it is distributed and supported by Nortel, you'll have one point of contact for ordering, service and support.

Discover for yourself the advantages of Norstar VoIP Gateway to IP-enable your Norstar business communications system. For more information, visit us on the Web at: [www.nortel.com/norstar](http://www.nortel.com/norstar)

### Norstar system with VoIP Gateway



Nortel is a recognized leader in delivering communications capabilities that enhance the human experience, ignite and power global commerce, and secure and protect the world's most critical information. Serving both service provider and enterprise customers, Nortel delivers innovative technology solutions encompassing end-to-end broadband, Voice over IP, multimedia services and applications, and wireless broadband designed to help people solve the world's greatest challenges. Nortel does business in more than 150 countries. For more information, visit Nortel on the Web at [www.nortel.com](http://www.nortel.com).

For more information, contact your Nortel representative, or call 1-800-4 NORTEL or 1-800-466-7835 from anywhere in North America.

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