

The Core Memory Project

THE UNIQUE  
SINGLE  
PRODUCT  
SOLUTION  
TO CONNECT  
YOUR  
NETWORK  
TO THE  
INTERNET

NETSTAR

<http://www.thecorememory.com>





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### DATA COMMUNICATION ON A HIGHER LEVEL

**Y**ou will have undoubtedly seen, over the years, methods and working practices change as once “leading-edge” technology becomes commonplace business tools.

Networks have been the key area of development in information technology for several years. The Internet though has taken networking onto a higher plane and enables people to communicate and access information like never before. The speed of the transformation of the Internet from an interesting concept to commercial necessity has taken even the business world by surprise.

So, admitting that the IT world moves faster than almost any other, it is naturally a sound business decision to keep ahead by making the appropriate investment now, rather than later.

#### **INTRODUCING THE LARGEST INFORMATION AND COMMUNICATION SOURCE IN THE WORLD.**

It is beyond question now that the Internet provides more efficient ways of doing business – gathering information, making contacts and communicating with your key suppliers, clients, associate companies and other contacts.



Accessibility is growing fast. Although perhaps only 18 months ago many companies wouldn't have had even a single Internet address, that scenario is now changing rapidly. The Internet is growing at a phenomenal rate with even conservative estimates putting the total number of users at 50 million and the number almost doubling every year. The Internet has become accepted as a serious business tool and companies are, even as you read this, looking into the best ways of exploiting it.

But all technological advancements have their price. What are the security aspects of connecting mission-critical systems to a public network that can be accessed by anyone? The financial expense? And the technical resources and expense required to configure an entire system from scratch?

In the past, it was these kind of real problems that stopped organisations like yours from going fully on-line. But today, nothing need hold you back. Netstar from NCR is the total solution.



## NETSTAR FROM NCR: THE COMPLETE SYSTEM TO GIVE YOUR WHOLE COMPANY ACCESS TO THE INTERNET

**F**or a truly one-stop global e-mail and Internet access solution, Netstar from NCR is the answer. It brings you everything you need in one complete package. It's fast. Safe. Easily managed. And because of its built-in firewall protection, it is totally secure.

### THE COMPLETE SOLUTION

Of course you can set up an ISDN connection to the Internet through any number of service providers. It's even possible to install an Internet server onto your LAN. But how do you ensure everything is configured correctly? How do you manage and monitor Internet use, so that only the people you choose have access to the Web... and, more importantly, so that no one outside your company can ever intrude into your secure network without permission.

The point of Netstar is that everything you need is brought together as one cohesive solution. NCR's experts will take you from concept to completion, leave you up and running, and offer the follow-on support you need.



### NETSTAR BRINGS YOU ALL THESE BENEFITS

- **Internet access via ISDN**

Your network is connected via high-speed ISDN, enabling Internet applications such as World Wide Web browsing and e-mail to be dispatched quickly and effectively direct to the desktop.

- **High performance router**

A sophisticated router ensures high levels of performance and provides the first line of security.

- **Secure access for IPX networks**

Netstar from NCR comes with powerful IPX to IP protocol translation technology to connect any IPX (Novell) network. This provides a second level of security and means there is no need for TCP/IP on the desktop or multiple IP addresses.

- **Secure access for IP networks**

For networks running IP, Netstar comes with full award-winning Firewall security.

- **E-mail post office**

Netstar's advanced e-mail post office will minimise your time on-line and provides quick and effective management facilities.

- **E-mail gateway**

For companies with existing internal e-mail, Netstar integrates seamlessly with all leading systems including MS Mail, cc:Mail, Lotus Notes and Novell Groupwise.

- **Access management**

Netstar enables you to control exactly who can access the Internet, and what services they can use and at what times.

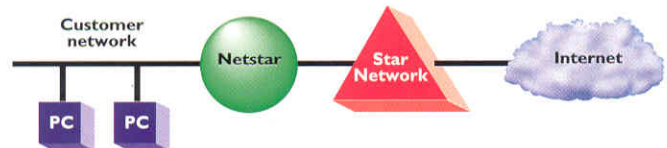
- **Value**

The Netstar solution can be implemented for one low installation fee at a fixed monthly cost, to include all software, hardware, Internet access, installation and maintenance.

- **Maintenance and support**

Our trained technical support team and two level maintenance will ensure problems are resolved without delay.

**S**o why wait any longer to reap the benefits of global e-mail connection and Internet access for your whole organisation?





### NETSTAR'S SYSTEM COMPONENTS

#### THERE ARE THREE MAIN COMPONENTS...

1) ISDN connectivity via a high-performance router. The router is fully configured to block common security attacks such as IP Spoofing, Source routing, unauthorised intrusion and Denial-of-Service. The router utilises standard security practices such as the use of reserved IP addresses (RFC 1597) and remains physically separated from the corporate network. Additional configuration ensures that in-bound data may pass through the router provided it is in response to a request initiated solely from the Netstar system.

2) A high-end Pentium PC equipped with two network interface cards. Netstar utilises Microsoft Windows NT to provide a platform for all the components. With this combination of industry standard PC network hardware and software Netstar can support a vast array of differing network topologies and protocol configurations.

#### NETSTAR ROUTER: TECHNICAL HIGHLIGHTS

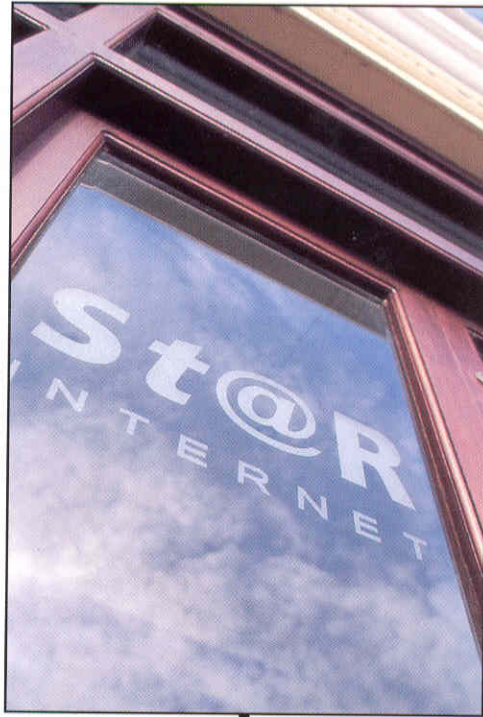
**High-performance router, bundled as PC ISA adaptor. Supports IP and IPX over ISDN or leased lines.**

**User configurable communication and routing parameters. Full NDIS compliance to ensure integration with Windows NT server software.**

**Co-processing architecture relieves the server CPU of WAN processing.**

**Interoperability over Point-to-Point Protocol WAN links for stable communication.**

3) Protocol support. Netstar supports the IP or IPX transport protocols, and a combination of both on the secure corporate network, mirroring the majority of heterogeneous networks that exist currently. Additionally where IPX is installed all potential frame types are also supported. Security is further enhanced in the case of IPX when the in-bound TCP/IP connection becomes fully translated into IPX providing a natural barrier against intrusion. For TCP/IP installations, the Netstar system examines every packet at the application layer and constantly monitors for illegal network activity.



### NETSTAR MAKES THE CONNECTION

There are more profitable things to do with your day than wait five minutes for a Web page to appear. Anyone who has browsed the Internet using a standard modem – even one running at 28,800bps – knows the key problem. Speed. Or rather lack of it.

Netstar won't stop you. Netstar's Internet connection is via ISDN through your nearest Star Internet Virtual Point of Presence (VPOP), one of the UK's leading Service Providers. ISDN is digital from end to end, and provides a faster and more reliable service than traditional analogue modem links. Star Internet's ISDN backbone is country wide, so you only ever pay the price of a local rate call via a single number which automatically routes the call to the nearest and cheapest point of access. Your Netstar ISDN connection saves money on communication costs through reduced transmission times; and enables you to get the data you need faster, adding up to a high-speed, low-cost backbone.

#### NETSTAR INTERNET CONNECTION: TECHNICAL HIGHLIGHTS

**Countrywide ISDN points of access.**

**One single telephone number.**

**Speeds of 64Kbps or 128Kbps.**



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### NETSTAR FULLY SUPPORTS IPX AND TCP/IP NETWORKS

Novell NetWare isn't the premier PC LAN environment for nothing. Its Internetwork Packet Exchange (IPX) protocol offers high performance and ease of use, making the LAN almost transparent for users.

But Internet applications and Web browsers run on Transmission Control Protocol/Internet Protocol (TCP/IP).

Of course, one solution is to install a TCP/IP stack onto every networked PC... which takes up valuable time and requires specialist skills. Apart from the cost implications, there are also security considerations. Because every workstation has an IP address, your LAN is on the Internet and could be accessed from outside.

Netstar's advanced protocol translation technology provides powerful, reliable and secure Internet access without having to bother with the complexities of TCP/IP networking at the desktop, and without having to install TCP/IP stacks on each workstation. You need only one single IP address to connect your entire LAN to the Internet – and as far as the outside world is concerned, there are no clues that the address is even located on a LAN.

Not only does this reduce maintenance and administration costs, it also makes your network effectively invisible to potential electronic intruders.

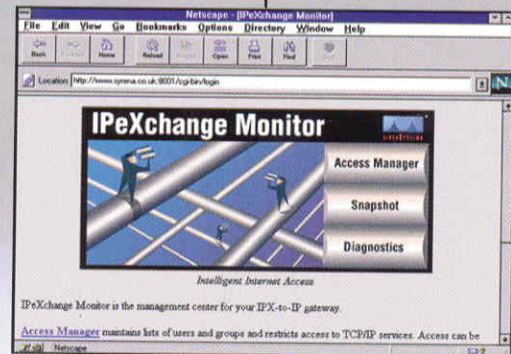
### NETSTAR IP-IPX PROTOCOL TRANSLATION: TECHNICAL HIGHLIGHTS

**No TCP/IP on desktop – reduced memory, support and maintenance costs.**

**Effective firewall – isolates corporate servers and clients from the Internet.**

**Single IP address – no desktop configuration or IP maintenance overhead.**

**Easy install – no re-engineering of LAN, secure connection set up in hours.**



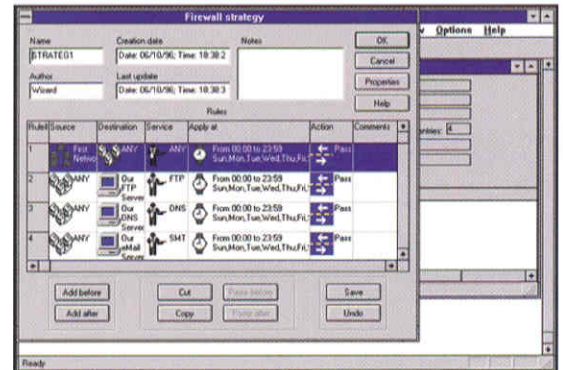


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### NETSTAR'S IP SOLUTION IS DOUBLY SECURE

If you are running an IP network, Netstar won't just lock the door against intruders. It bolts it, too. A further separate software firewall is also built in. The market leading firewall system enables management and implementation of enterprise-wide Internet security.

- You can monitor suspicious events in real time.
- The system maintains a logbook of all violations which break security criteria.
- You can restrict Internet access only to approved services.
- You can vet those services requested or added by users.
- Any suspected tampering or suspicious events are reported in real time to the System Administrator.



#### NETSTAR TWO-TIER SECURITY: TECHNICAL HIGHLIGHTS

**Market-leading Internet firewall system.**

**Combined frame filtering and real time session.**

**Maintains a logbook of suspicious events.**

**Limits data traffic volumes via bandwidth control features.**

**Optional Network Address Translation.**

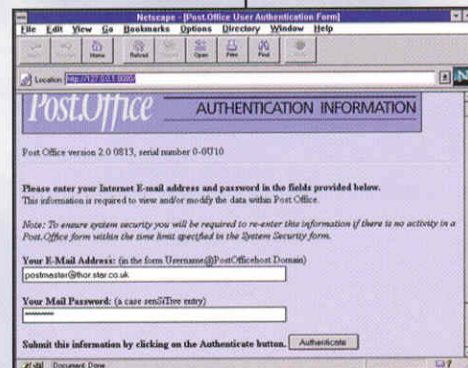
## THE COMPLETE E-MAIL MANAGEMENT SYSTEM

**B**ecause Netstar's main purpose is to give your company access to the global e-mail network, it features the powerful mail management functions you would expect.

The intuitive server software lets you set up and configure mailboxes as you wish, in seconds. In line with current Internet trends the post office may be administered via web pages, effectively achieving platform independence for administration. Plus, the software enables dispatch and collection of e-mail at certain preset time intervals to minimise time spent on-line.

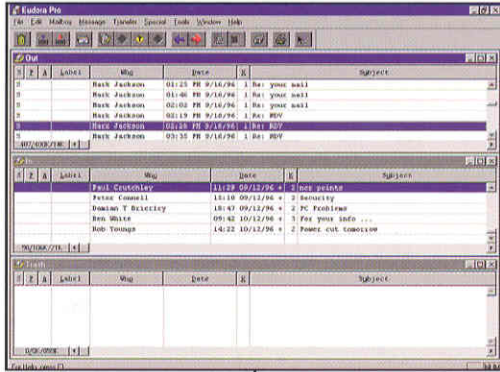
For frequent users you can set the system to automatically forward received mail through your internal e-mail system and dispatch users' sent mail straight away onto the Internet. Occasional users can get an automatic advice note over your LAN, inviting them to pick up their message from the post office.

You can prioritise activity; for example, to bulk non-urgent sent mail for dispatch when the system is quiet.





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## Powerful automation facilities include:

- **“Reply mode”** gives users their own “mailbox” autoresponder. Ideal for handling advertising enquiries – the moment the e-mail message arrives, the system returns a standard message, such as the text of your brochure or further details of the offer.
- **“Echo mode”** solves problems when a staff member moves on. It replies with a preset message and returns the original message too, to notify the sender that the message has not been received.
- **“Holiday mode”** sends a standard reply to anyone who e-mails a user whilst they are away.

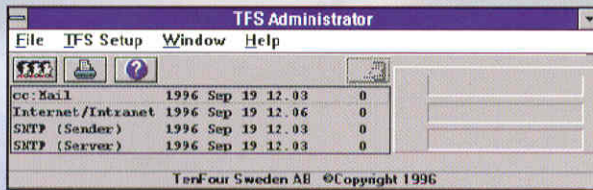
## NETSTAR ELECTRONIC POST OFFICE: TECHNICAL HIGHLIGHTS

Created around the leading SMTP/POP3 mail server.

Secure – does not require operation with root privileges. User access can be limited to specific domains or networks.

Supports e-mail accounts without system log-in privileges.

Built-in automatic reply features.



## NETSTAR'S ADVANCED SMTP E-MAIL GATEWAY

Many companies will have already made a considerable investment in an internal mail system. Netstar from NCR integrates with all leading e-mail formats seamlessly and therefore allows you to extend your investment and prevent any retraining with new technology.

### E-MAIL GATEWAY: TECHNICAL HIGHLIGHTS

**Integration with MS Mail, Lotus Notes, cc:Mail, Novell GroupWise and all other popular mail packages.**

**Full MIME compliance, also handles attachments with UUENCODE/UUDECODE.**

**Automatic detection/conversion of format for incoming messages and attachments.**

**Built-in virus-scanning option.**

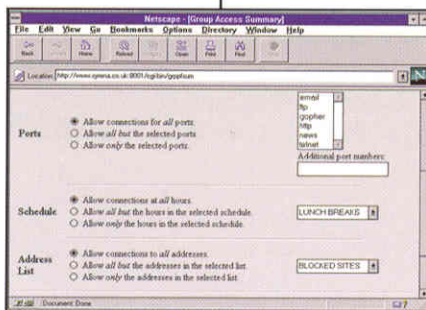
**Directory synchronisation between local mail systems. Allows signature files on outgoing messages.**



## MAINTENANCE AND SUPPORT

The Netstar system includes ongoing maintenance and technical support. As the Internet becomes more and more central to the way a business communicates and shares information, so it becomes increasingly important that an Internet connection is reliable and operating smoothly. Our team of qualified support personnel and two level maintenance service will ensure that any problems with Netstar are resolved in the shortest possible time or the system will be replaced within three working days.

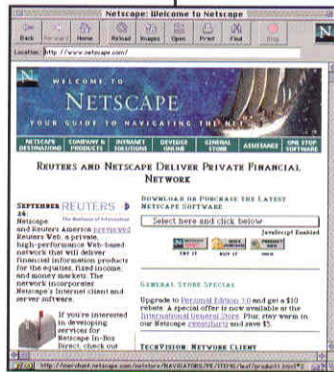
## NETSTAR FROM NCR KEEPS YOU IN TOTAL CONTROL



Netstar puts you in command. The simple, Windows-based management system lets you control exactly who has access to which Internet functions, and at what times.

You can restrict some users to mail send and receive only... set up specific times during which Internet access is allowed... and control which Internet resources can be accessed by which user. It is even possible to restrict bandwidth so that if it is exceeded, access is denied for a pre-determined period of time.

## THE NETSTAR SOLUTION



Implementing a Netstar solution on your LAN does not require major upheaval, the loading of new software on every PC, new hardware across your organisation, or major investments in staff training.

What it will do is give you complete Internet access quickly, cost effectively and securely. The business benefits of Internet e-mail connection could save your company thousands of pounds a year in faxes, postage, couriers and time. Yet you don't need a massive investment in hardware and software licenses. You simply lease your Netstar solution.

There is a reasonable one off installation and setup charge, and then an ongoing monthly fee. And the price includes everything - hardware, software, ISDN access, maintenance and technical back up from our experienced staff.

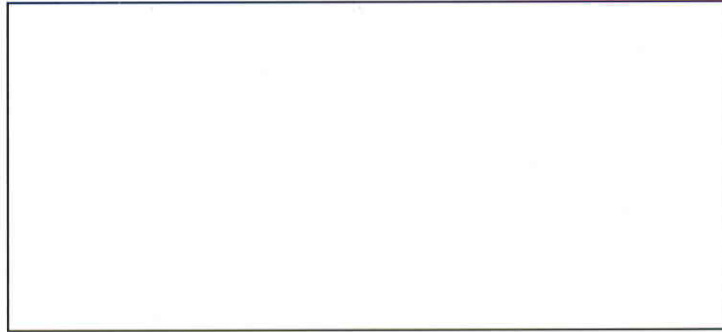
**N**etstar is the most complete Internet access product in the world today. To get connected call your reseller.



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NETSTAR

NCR

*Netstar has been developed through a strategic partnership between Star Internet and NCR.*

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