

ComNet™

PROTOCOL CONVERSION SOLUTION

Fast. Simple. Reliable.

A protocol conversion solution
for virtually any application.



Solving the puzzle
of introducing new protocols
to existing systems.

ComNet is a versatile network communications protocol converter



It will convert any supported protocol to any other

ComNet was created to provide a transparent connection between legacy devices and modern hosts, or modern devices and legacy hosts.

ComNet handles the protocol conversion so that both the device and host believe they are using the same protocol.

The **ComNet** solution offers a broad range of application and is ideal for a phased migration from legacy protocols to TCP/IP.

ComNet features

- Converts any supported protocol to any other
- Multiple backup connections per session
- Dynamic configuration
- Loopback capabilities
- Customizable with your own user-written routines
- Powerful operator interface provides seamless global view and control over all **ComNet** sessions
- Scalable architecture to support thousands of sessions
- Quick and easy to install.

Benefits

Cost effective

- Maximizes your investment in existing software and hardware.
- Avoids the expense of new protocol conversion hardware and its deployment, maintenance and operational costs.
- **ComNet** is a software solution which is easy to install, maintain and operate.
- Flexible short term and long term licensing options.

Reliable

- High availability is offered by multiple backup connections for every session.
- Utilizes existing highly reliable HP NonStop™ communications hardware.

Flexible

- Dynamic configuration maximizes uptime.
- Scalable across multiple processors.

Performing protocol conversion from any-to-any supported protocol

Protocol Support

ComNet provides any-to-any protocol conversion using standard NonStop Access Methods.

High Availability

You can define multiple backup connections for every session.

An alternate group of backup connections can also be defined to cater for site failures.

Retry and switching actions are configurable.

Operations

The operator interface automatically detects all ComNet processes and presents the operator with a seamless global view of all sessions.

Dynamic Configuration

Sessions can be added and deleted without disrupting other active sessions.

Customizable

You can combine your own user routines to perform custom message handling or other actions.

Protocols

TCP/IP

X.25

SNA

LU6.2

Bisync

Async

Interprocess

ComNet fits into your environment

Flexibility

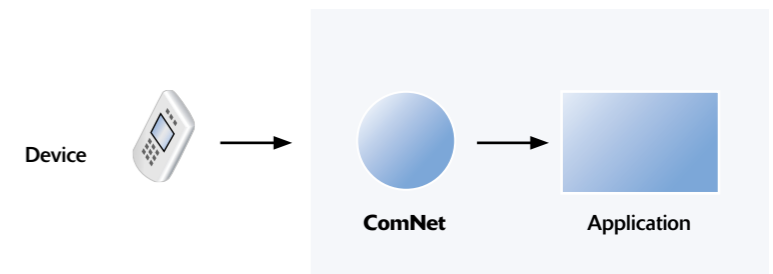
ComNet performs protocol conversion between two connections.

Each connection can be a communications port or a software application.

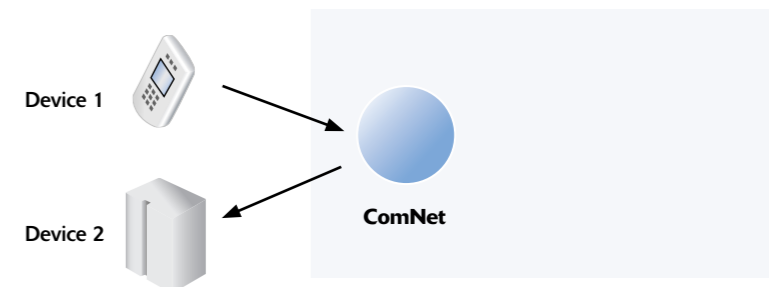
This gives you the flexibility to use ComNet to:

- Substitute an existing protocol between a device and an application
- Perform protocol conversion directly between two devices
- Set up a loopback connection between two applications.

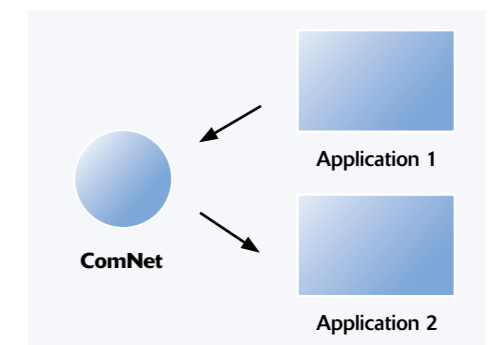
DEVICE TO APPLICATION PROTOCOL CONVERSION



DEVICE TO DEVICE PROTOCOL CONVERSION



APPLICATION TO APPLICATION LOOPBACK



A temporary or permanent solution

More information

For more detailed information on **ComNet** and its other applications visit our web site at: www.comnetnonstop.com

Protocol Services API

Write applications using simple standard operating system calls (open, write, read) and **ComNet** will provide all the required communications protocol handling.

This greatly simplifies and expedites software development because the complexities of communications protocol handling have been removed.

This also gives your application immediate access to the full range of protocols supported by **ComNet**.

Testing

ComNet can connect your legacy applications to your LAN by performing protocol conversion to TCP/IP.

You can now use feature rich PC-based tools to test your legacy applications.

Protocol Replacement

If your application needs to support a new protocol then **ComNet** may be the answer.

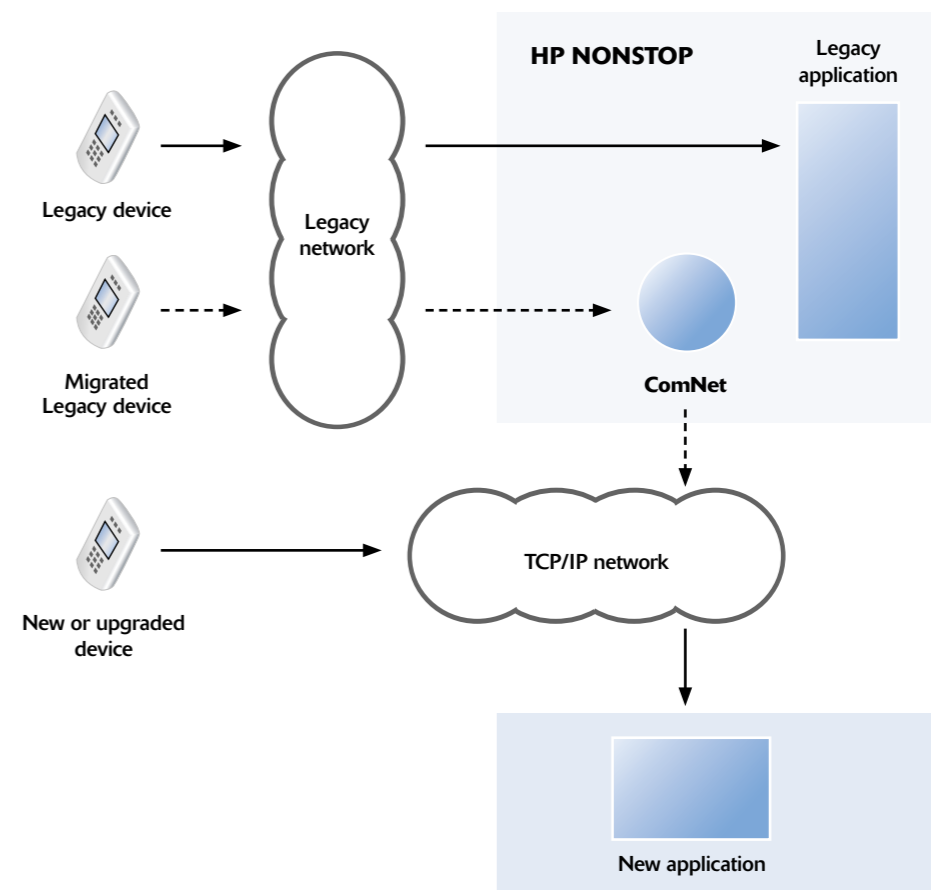
Your application would not need to change.

Your application would simply open **ComNet** instead of the communications line and then **ComNet** would perform the required protocol conversion.

Legacy across VPN

ComNet can connect a legacy protocol device on your local NonStop across a VPN to an application on a remote NonStop which is also using a legacy protocol.

Migration



Legacy and new devices can co-exist throughout a phased migration.

Legacy devices which have not yet been migrated remain connected to the legacy network and application.

Migrated legacy devices are routed through **ComNet**, which converts the legacy protocol to TCP/IP, and onto the new application.

If the legacy devices are later upgraded to support TCP/IP then they can then be routed directly to the new application through the TCP/IP network.

Other scenarios

ComNet supports many other migration scenarios.

Contact us for a free consultation.

ComNet™

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www.comnetnonstop.com

Supporting you

Digital Presence also provides the following support services:

- Consulting
- Customization
- Custom Training
- On-Site Support

Trial software

Download a free evaluation copy of ComNet from our web site to trial in your organization.

Free technical support is available during your trial.

System requirements

- **Hardware:** HP NonStop server
- **Operating System:** Guardian D45 or later, G06 or later
- **Software:** Applicable comm's Access Methods

business partner



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