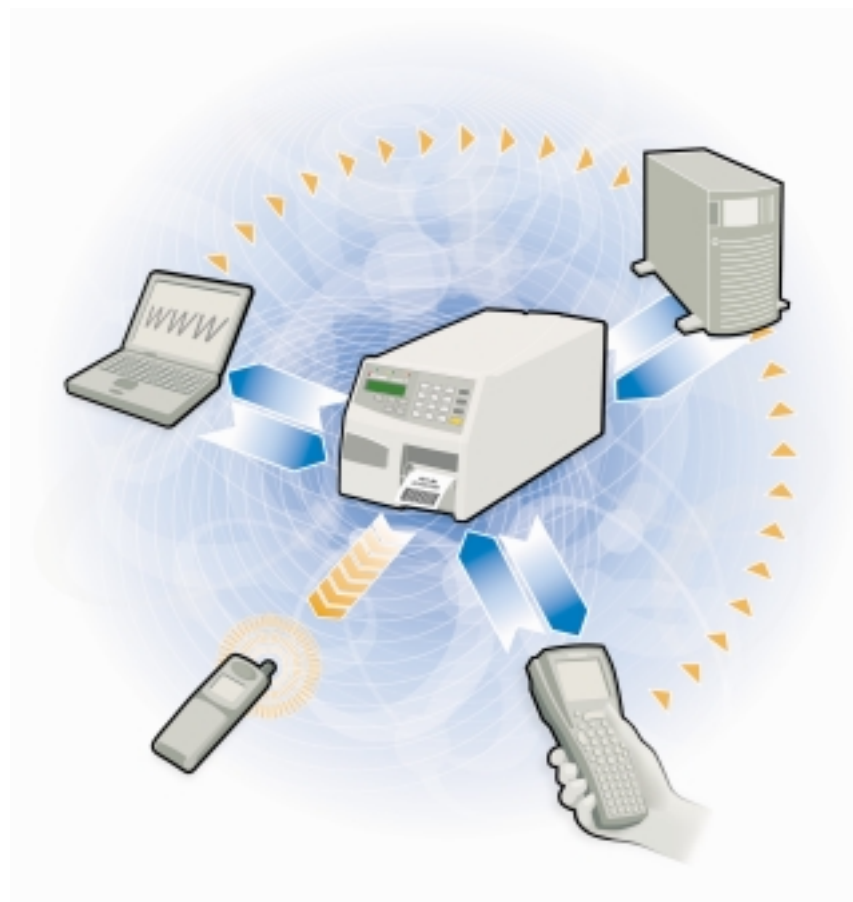**Intermec**

Product
Profile

- Reduced capital expenditures and maintenance costs — individual personal computers (PC) or terminals can be eliminated.

- Reduced downtime — pre-emptive alerts are sent from the printer to the support staff.

- Real time access to host databases without PC— reduces possibility of errors.

- Open for customizing— software is designed to accomodate customer specific requirements.

- Flexibility — works within any size of printer network.

- Accessible from external applications through standard DCOM interface

Intermec Printer Application Server

Powerful tool for system integration

Intermec Printer Application Server is a software product, that lets you build powerful printer solutions. Due to the scaleable design, this software can support any system from just a few printers to large systems.

In traditional printing systems every printer has to be connected to a PC or terminal. By connecting the bar code label printers using the EasyLAN™ 100i card through the network, the added hardware and maintenance costs are eliminated.

Pre-emptive alerts ensure that printer downtime is minimized. For example, in case of printer failure or out of paper, a notification is sent by email, pager or similar supported device to the support staff. Standard alerts are included with the software, and alerts can also be customized for specific customer needs.

By running bar code label printers using the Intermec Printer Application Server you not only eliminate multiple personal computer hardware, but the label information can be pulled directly from the host database ensuring that correct data will be printed every time.

The Intermec Printer Application Server replaces the entire set of client PC's with one central server that will serve all the printers on the network. Since there is no need to install PC's or terminals, the investment and maintenance costs are substantially reduced.

Intermec Printer Application Server is scaleable from small to large systems. Load balancing is achieved by installing more servers on the system.

Customized solutions can be built using the powerful application development tools that are provided with each Printer Application Server system. DCOM support enables system integrators to interface the Printer Application Server with other systems and exchange data with printers.

Printer Application Server Components

Intermec Printer Application Server is a software application that contains the following modules:

- Server
- Console
- Application Development System for Fingerprint
- Sample printer application in Fingerprint
- DCOM interface
- Sample DCOM application in Visual Basic 6.

Server

Intermec Printer Application Server is an NT Service that is installed on a dedicated PC which will communicate with the connected EasyCoder printers and with the host system.

The Server supports:

- Access host databases
- Forwarding alerts to SMTP Mail Server
- Communication with other applications through DCOM services

Console

Printer Application Server Console enables setup of:

- Database Source parameters
- Email server parameters
- Printer poll settings
- IP Ports
- Logging
- Viewing traffic between server and printers

Alerts

Intermec Printer Application Server enables printer alerts to be forwarded to email, pagers or other supported device.

Basic alerts, like out of paper, out of ribbon, and cutter error, are provided, but more alerts are easily added for any other requirement, for example print head check alert.

Alerts are provided to the supported device through an SMTP mail service.

NT Service

Intermec Printer Application Server runs an NT Service.

Access to the service is provided through the Console. The console can run on any 32 bit Windows platform.

Database Access

Intermec Printer Application Server can access any ODBC/SQL compliant database on a host system. Flat text databases are also supported.

DCOM Support

Printer Application Server supports Microsoft DCOM services. This enables any other application to access the printers connected to the system through a simple interface. Standard calls include for example File load/retrieve, Image load/retrieve. Custom message to accommodate any desired printer function can be implemented by printer application development.

The following features are supported:

- Send file (text or binary)
- Send image or font
- Send/receive setup
- Receive file (text, binary, image, font)
- Open/Close database (ODBC databases)
- Send messages to printer display
- Send memory status to server
- Send printer info
- Send/receive custom message/file to/from DCOM client

Printer Standard Application

The system includes a sample application in Fingerprint™. The application supports the features of the IPAS system, for example Database access (ODBC/SQL and flat files), and email/SMS alerts.

Customization is made using the Application Development System (included).

Application Development System

Fingerprint SDK is a development system for creating/customizing the Fingerprint application running in the printers.

The system includes:

- Editor
- Terminal
- Printer Browser
- Full sample application for Intermec Printer Application Server that can be customized to suit the customer's requirement

System Requirements

Host
Any host system with any ODBC/SQL compliant database

Application Server Hardware
- PC running Windows™ NT 4.0 or Windows 2000
- Hardware requirements—standard for respective operating system
- ODBC drivers to access desired database in host system

Console
- PC running Windows 95/98, Me, NT 4.0 or Windows 2000
- Hardware requirements—standard for respective operating system

Email System
SMTP Mail System

Alerts clients
Any client that supports SMTP Mail, for example Pager, Cellular phone SMS (requires SMS service for SMTP mail)

Printer
- EasyCoder 501 XP, 601 XP, F2, F4 with EasyLAN 100i Ethernet interface
- Printer firmware Fingerprint 7.52 or higher
- EasyLAN 100i firmware 6.13 or higher

Fingerprint SDK
- PC running Windows 95/98, Me, NT 4.0 or Windows 2000
- Hardware requirements—standard for respective operating system