

Intelligent Printing from Datamax



Datamax printers become 'Intelligent' with the embedded MCL (Macro Command Language) client runtime module from MCL Technologies.

An intelligent printer puts the power of connectivity and communication in the printer. The Datamax printer now drives the application instead of the printer relying on instructions from a host device, such as a computer.

This technically advanced solution provides the ability to run custom applications from a Datamax printer. The Datamax printer holds the power of intelligence, meaning the printer is in control, which is ideal for:

- Standalone applications.
- Receiving or sending real-time data.
- Connecting to ERP systems (such as SAP and BaaN) or databases (such as Oracle, FoxPro, Act, Access, Excel, anything that is Microsoft ODBC compliant).
- Connecting and controlling secondary devices, such as another printer, weight scale, scanner, PDA, keyboard/pad or modem.
- Store database information required for large batch printing jobs.

When you need a more compact data collection solution to keep your business in business, move up to Datamax with MCL.



DATAMAX[®]

Consider the typical data collection application environment: a host computer with a resident database or ERP system, a communications network, a personal computer (PC), a thermal bar code label printer, a bar code scanner, and an operator.

Now consider its challenges and shortcomings: ongoing maintenance, training, upkeep, and security. Now consider the same application environment without the PC!



With an intelligent Datamax printer such an application scenario is not only possible, it may just be the best solution to your data collection challenges. A Datamax "intelligent" printer can be programmed to accommodate a variety of peripheral input devices, accept the incoming data, validate it, and write it to a printer-resident text file or pass it on to a remote ERP application or database. And without a PC in the middle of it, just imagine what you will be missing: PC viruses, PC hardware failures, PC operating system maintenance, and the temptation for an operator to play PC-resident games or surf the Internet. How is this possible?

THE MCL SOFTWARE

When an MCL-enabled "intelligent" Datamax printer is powered up, the software checks to see if there is a MCL application resident. If there is, the application will run. If no application is present, the software will relinquish control, and the printer will operate normally.

HOST INTERFACE SUPPORT

Datamax offers several add-on's for a few of the most widely used ERP systems: SAP and BaaN. Additionally, application "bridges" are available for the following:

- Any SQL Compliant Database (Oracle, SQL-Server, Sybase, Access, Informix, Foxpro)
- Any Application/Program supporting DLL Library (VB, C, VC++, Delphi, Java, PowerBuilder)
- SAP R/3 Using Certified IDOC, BAPI, RFC, interface to all SAP modules (IM, SD, WM, PP, PM, PS)
- Baan Open World using BOI (Business Object Interface) and VB scripting

APPLICATION EXAMPLES

- Scan-and-print. A bar code scanner attached to an I-4210 reads the PO bar code on incoming cartons. Using the PO number the printer queries the host database to print out part number bar code labels of all items on the PO.
- Product Labeling. An I-4210 is loaded with all of the product identification label formats. As a product reaches the end of the assembly line the operator scans the part number bar code from the manufacturing document, the printer matches the part number with the appropriate label format and prints out the product label.



COMPATIBILITY

MCL-Collection for Datamax printers has an additional benefit as it enjoys a large installed base of MCL-enabled data collection terminals by the industry's leading data collection providers. MCL's on going partnership with these manufacturers has resulted in some exciting applications.



This means that where MCL software is installed, the Datamax printer will easily integrate into the existing architecture.

Manage today's solutions for your standalone or enterprise connected workforce with the power of the first truly intelligent thermal printer from Datamax. This solution puts control in your hands and the printer has no boundaries.

Datamax delivers unequalled reliability and connectivity with the fastest and most reliable way to deploy, update, track, and manage your business assets anywhere in the world. Whether you need to deploy inventory tracking, manage product flow, or provide real time labels, the unique Datamax-MCL architecture delivers the solution for you.