DMXConnect

DMXCONNECT
CONNECT / CONFIGURE / CONTROL

DMXConnect is a comprehensive toolbox of solutions designed to increase a Datamax printer's value and performance in any application. Solutions range from simple port options for easy installation, to sophisticated design tools that create intelligence in the printer, allowing it to replace an entire workstation. Many of these solutions work in conjunction with one another, but all can be used individually. Their use or selection is determined entirely by the application. To take advantage of the tools available, and the solutions that can be achieved, using DMXConnect, it is necessary to understand all of its components and how they complement one another.

DMXConnect is divided into three sections and many components can be used in conjunction with other DMXConnect solutions.

Enhanced Applications

The choice of a thermal printer is defined by the application. Often the printer is a dumb device at the end of a receiving line of communication. With DMXConnect Application Enhancement, that printer becomes an intelligent, dynamic, and interactive component of the system, allowing the printer to replace the terminal/host computer that once drove it. Application Enhancement is designed to increase a printer's capabilities in a particular application. These revolutionary tools are all used in conjunction with other DMXConnect solutions and are designed to create more value in a printer investment.

MCL Collection: MCL (Macro Command Language) is a rapid application development (RAD) tool suite designed specifically for data collection applications. Datamax is the first thermal printer manufacturer to offer this unique capability. MCLscript, the result of an MCL application development effort, can now be ported to and run on an appropriately configured Datamax printer.

The MCL suite consists of the following components:

> Datamax/MCL Designer > Datamax/MCL Simulator > Datamax/MCL Loader
> Datamax/MCL Client (or runtime) > MCL Host Communications > MCL Host Application Bridges

I-Class Scanner:
- Fully Integrated into the I-Class
- Hands-Free Alternative to Verification
- Not Affected by Ambient Light
- Increases Overall Productivity with Accurate Bar Codes
- Scans Printed Bar Codes for Readability
- Uses Charge Coupled Device (CCD) Technology
- Scans at a Rate of 700 Scans Per Second
- Fixed Position Head
- Menu Selectable Options Include
  – *Automatic Reprinting*
  – *Automatic Voiding of "Bad" Label*

Label Application Software:
Datamax Special Edition BarTender by Seagull Scientific
- International Language Print Capabilities
- Industry Standard Linear and 2D Symbologies including Aztec, Datamatrix, MicroPDF, and RSS
- Windows® Compliant (95, 98, Me, NT, 2000 and XP)
- SAP Certified IDOC solution
- SAP ITF Export
- MCLScript Export
- Wireless Printing Support

General Purpose I/O:
- Hardware Interface Option Card
  – *Allows you to Control the Start of Print Job*
  – *Monitor Status of Print Job*
  – *Signals Completion of a Printed Label*
- Available on PE-Series, A-Class, I-Class, W-Class

DATAMAX®

DMXConnect

Configuration Tools

Printer setup can potentially be time-consuming and intimidating, especially for the untrained operator. Also, some Datamax printers do not have a front panel display, which keeps the cost of the printer down but can complicate the set-up process. Configuration Tools address this issue by providing setup tools that reside outside the printer and simplify the configuration process. Through the use of Configuration Tools, a printer's proper configuration can be defined and shared among many printers, even across a network or at remote locations.

Device Drivers:
- True Windows® Compliant Printer Drivers
  - *Exploit the Windows® Print Spooling Architecture*
  - *Support any Printer Port*
  - *Spool Across the Network*
  - *Distributed on CD and at www.datamaxcorp.com*
- Proprietary Printer Drivers
  - *Application Specific Solutions*
  - *See the Datamax Software Resource Directory (DSRD)*

DMXConfig:
- PC-Based Configuration Utility
- Simplify Printer Setup Process
- Allows Real-Time Control/Query of Printer Configuration
- Define and Save Optimal Configurations for Applications i.e. Ribbon / Label Stock Combinations
- Saved Configurations can be Shared with other Printers and Sent via Email
- Query Memory Modules
- Download Files, Formats and Fonts

Connectivity Solutions

In most instances, a Datamax printer standing alone, without a connection to any information device, limits the printer's use or value. Like any printer, a Datamax printer must receive information in order to achieve its investment goal, which is to increase efficiencies and reduce costs in an organization's operations. Connectivity Solutions allow a Datamax printer to integrate seamlessly into an existing network, or into one currently being designed for future operations.

DMXNet Internal Ethernet Print Server
- Remote Printer Management
- Email Notification
- SNMP Trap Alerts
- Downloadable Flash Memory
- UPnP
- Auto Select 10/100 BaseT Ethernet

DMXrfNet:
- Direct Sequence Spread Spectrum
- 802.11b Compliant Wireless Ethernet LAN
- 1, 2, 5.5 and 11 Mbps across 2.4 GHz ISM Band
- Range: 100m Indoor, 300m Outdoor
- Open System or Optional Shared Key
- Normal or 802.11b WEP Encryption
- Supports TCP/IP, Netware, Windows® NT/2000/XP, Peer-to-Peer, LAN Server/Warp Server, and LAN Manager
- On-board Serial Console Port (can be Configured as an Additional External Serial Print Server)
- Concurrent 10BaseT Ethernet Interface for Redundant Wired Backup

DMX-100 External Ethernet Print Server:
- 10/100 BaseT Ethernet
- Easy to Install and Configure
- Diagnostic LEDs
- Test Button
- No External Power Supply Required
- Supports
  - *TCP/IP*
  - *NetWare (IPX/SPX)*
  - *Local Area Transport (LAT)*
  - *LAN Manager*

Twinax/Coax:
- Provides Connectivity to:
  - *AS/400*
  - *System/3X Twinax Host System*
  - *3270-Type Host System*
- Command Pass-Thru™ Feature
- Coax Cable Included

1284/RS232/RS422:
- IEEE 1284 Bi-Directional Centronics Parallel
- RS232 - Up to 38,400 BPS
- RS422 - Single Drop Interface that Supports up to 38,400 BPS at a Greater Distance than RS232

USB:
- Slide in Universal Serial Bus Card
- Windows® Printing Environments
- Option on the I-Class and W-Class
- Standard on the M-Class
- Standard on the E-Class (June 2003)

DATAMAX ASSURE

A pledge to provide world class thermal printers, solutions, supplies, training, knowledge, and support for seamlessly integrating barcode printing applications.

For further information on any of the DMXConnect solutions please visit the Datamax website at www.datamaxcorp.com

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