

MCL-Collection

Create custom data collection applications in record time, and put them to work quickly.

The MCL®-Collection is a robust set of integrated software tools to help you:

- **Develop data collection applications more quickly.**

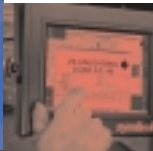
Whether you're an expert programmer or a novice, the MCL-Collection can help you create and deploy single or multiple data collection applications rapidly.

- **Create applications for your particular environment.**

You can develop applications for batch, Spectrum24® wireless networks, or WAN environments.

- **Remotely control critical applications and data.**

The MCL-Collection gives you the tools to manage your wireless network making it easier than ever to distribute and gather essential information that drives your business.



symbol®

MCL-Designer

Develop data collection programs quickly with Symbol's MCL®-Designer, rapid application program designer for Windows NT® and Windows® 95/98. MCL-Designer cuts development time on data collection programs for Symbol's Series 3000, 6000, 7000 terminals and VCR terminals. You can develop complex batch, Spectrum24® and wireless WAN data capture applications, all without special programming knowledge or experience in MCL. MCL-Designer for Phaser is similar to MCL-Designer for terminals but specifically developed for Symbol's Phaser scanner, including the P460/470 Memory Scanner.

- Graphical user interface makes it easy to develop complex batch and RF data capture applications.
- Application simulator allows you to test drive your application on the development system before downloading it to the terminal.
- Project verification ensures coherency between programs, files and setup.
- Process commands cut development time of complex programs. A process command allows an application to perform a predefined process based upon a date, a file, a branch, or other variables.
- ODBC interface makes database updates easier, and is available for wired and wireless, batch and real-time transaction processing. (Not applicable to Designer for Phaser).
- Report generator ensures that your functional specifications will always be current to reflect your application design.



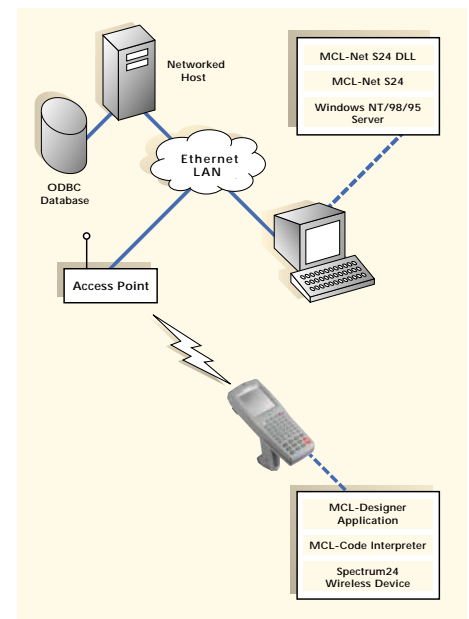
MCL-Designer Series 7000, provides you with the tools to develop programs for Symbol Series 7000 portable data terminals and VRC terminals. Also includes these additional features:

- Signature capture helps you authenticate data.
- Keypad designer allows you to create a unique keypad for every application screen.
- Key and text style options let you size buttons and select the best fonts for the application.
- Display image option enables you to insert a bitmap of your choice in your application, and attach an action to it.
- Barcode input brings you new possibilities, with the option of scanning the revolutionary 2-D Symbology type PDF 417.

MCL-NetS24

You have complete control over all critical activities across your wireless network with MCL-NetS24. As a wireless communications server for Symbol's Spectrum24 terminals running MCL applications, MCL-NetS24 makes it easy to exchange programs, files and data records between the host and wireless terminals. This Windows-based solution helps you manage your wireless network, simplifies network administration, and runs host applications.

- Real-time communication means that transactions can be posted to a database in real-time.
- Batched transactions can be received wirelessly if a user has roamed out of range.
- Traffic monitor allows you to view all network activity on screen, or in a written file.
- Administration capabilities allow you to upload or download data packets, files or programs; manage files on the server from a remote location; and interface to host applications and host databases.
- DLL interface allows host applications to receive operational terminal transaction data from MCL-NetS24 and send data to a specific terminal. It also enables you to check, start or stop MCL-NetS24.
- ODBC support allows you to access host databases and perform database operations.



MCL-Link

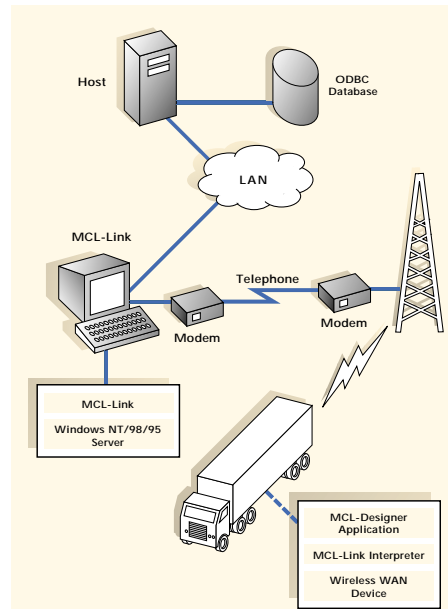
If your enterprise relies on batch data collection, MCL-Link is essential for you. This batch communications server is designed for Symbol's terminals and Phasers running batch applications developed with MCL-Designer. MCL-Link ensures access to and delivery of both programs and data. Users can easily upload and download files and programs, automate project downloads, execute remote scripts and more. The server may initiate such communications as sending or requesting a file or program, or copying a file on a device. It can even initiate communications from the batch device, including sending a file to the server.

- Compatibility to link with Symbol's character-based and graphical terminals as well as Phasers.
- Batch communications ensures access to and delivery of your programs and data via serial connection or modem.
- Scripting capabilities allow you to easily develop scripts that can be automatically executed with no manual intervention required on either the device or the server to perform all batch communications, software revision updates and time synchronization.
- ODBC support provides an interface for accessing a database, and makes queries and updates easy in both batch and real-time communications.
- DLL interface creates a client/server relationship between batch devices and host applications.

MCL-Code Interpreter

MCL-Code Interpreter is a runtime program that must reside on the device to allow an application created with MCL-Designer to run on a Symbol terminal. It enables the execution of your application. An MCL-Code Interpreter is factory installed with every symbol P460/470 Memory Scanner.

- Code execution enables you to run applications developed in MCL-Designer, which generate MCL-Code.



MCL-Loader

The MCL-Loader utility is included and licensed on the MCL-Collection CD-ROM at no charge to you. It helps you load and activate MCL-Code Interpreters on your Symbol batch and Spectrum24 character-based and graphical terminals.

- License control allows you to load, activate and remove MCL-Code Interpreter licenses from your hand-held terminals. MCL-Loader also tracks the licenses you've purchased, and maintains a log of all activations and removals.
- License removal and reuse is easy with MCL-Loader. A license removed from one terminal can be loaded and activated on another terminal.
- Automatic activation is performed when the terminal's serial number is entered into MCL-Loader for terminals connected to the system running MCL-Loader.



Switzerland • OPAL Associates AG • Motorenstrasse 116 • CH-8620 Wetzikon • Telefon +41 (0)1 931 12 22 • Telefax +41 (0)1 931 12 20 • Email info@opal-holding.com • URL <http://www.opal.ch/> • OPAL Associates SA • Avenue des Boveresses 54 • Case postale 29 • CH 1000 Lausanne 21 • Telefon +41 (0)21 653 95 00 • Telefax +41 (0)21 653 95 02 • Email info@opal-holding.com • URL <http://www.opalsa.ch/> • Germany • OPAL Associates GmbH • Lohnerhofstrasse 2 • D-78467 Konstanz Telefon • +49 (0)7531 813 000 • Telefax +49 (0)7531 813 00 99 • Email info@opal-holding.com • URL <http://www.opalgmbh.de/> • OPAL Associates GmbH • Osterholder Allee 2 • 25421 Pinneberg • Telefon +49 (0)4101 787 615 • Telefax +49(0)4101 787 616 • Email info@opal-holding.com • OPAL Solutions GmbH • Karl-Heinz-Beckurts-Str. 13 • 52428 Jülich • Telefon +49 (0)2461 344 954 • Telefax +49(0)2461 343 208 • Email info@opal-holding.com • URL <http://www.opal-solutions.de/> • Büro München • Telefon • 089 12737 556 • Telefax 089 12737 557 • Büro Frankfurt • Telefon • 069 8236 6501 • Telefax 69 8236 7709 • Austria • OPAL Associates GesmbH • Vorarlberger Wirtschaftspark • A-6840 Götzis • Telefon +43 (0) 5523 58833 • Telefax +43 (0)5523 521569 • Email info@opal-holding.com • URL <http://www.opalgmbh.at/>



Corporate Headquarters
Symbol Technologies, Inc.
 One Symbol Plaza
 Holtsville, NY 11742-1300
 TEL: 516-738-2400 or 800-722-6234
 FAX: 516-738-4910

International Headquarters
Symbol Technologies International
 Symbol Place
 Winnersh Triangle
 Berkshire, RG41 5TP
 United Kingdom
 TEL: 44-118-945 7000 FAX: 44-118-945 7500

Asia Pacific Headquarters
Symbol Technologies Asia, Inc. (Singapore Branch)
 230 Victoria Street
 #04-05 Bugis Junction Office Tower
 Singapore 188024
 TEL: 65-337-6588 FAX: 65-338-3075

For Africa
Symbol Technologies Africa, Inc.
 Block B2, Rutherford Estate
 1 Scott Street, Waverly 2090
 Johannesburg 2117
 South Africa
 TEL: 27-11-440 5668 FAX: 27-11-440 6191

For Canada
Symbol Technologies Canada, Inc.
 2540 Matheson Blvd. East
 Mississauga, Ontario L4W 4Z2
 Canada
 TEL: 905-629-7226 FAX: 905-629-9765

For Europe and the Middle East
Symbol Technologies International
 Symbol Place
 Winnersh Triangle
 Berkshire, RG41 5TP
 United Kingdom
 TEL: 44-118-945 7000 FAX: 44-118-945 7500

For Latin America and the Caribbean
Symbol Technologies, Inc.
 7900 Glades Road, Suite 340
 Boca Raton, Florida 33434
 TEL: 561-483-1275 FAX: 561-483-3922

Symbol World Wide Web Internet Site
 For a complete list of Symbol subsidiaries
 and Symbol Business Partners worldwide,
 contact us at:
www.symbol.com
 E-mail: webmaster@symbol.com

For More Information
 For more information on MCL products,
 please contact your Symbol Business Partner or
 Symbol Technologies at 800-722-6234
www.symbol.com

Symbol, Spectrum One, and Spectrum24 are registered trademarks of
 Symbol Technologies, Inc. MCL is a registered trademark of Zetes Technologies.
 All other brand or product names are trademarks or registered trademarks of their
 respective companies and are hereby acknowledged.
 ©2000 Symbol Technologies, Inc. All rights reserved.

Configurations

Note: MCL-Collection is distributed on CD-ROM unless stated otherwise.
 Note: For ease-of-use, the documentation is provided directly on the CD-ROM in .PDF format for viewing with Adobe's
 Acrobat® Reader; optional hardcopies of the documentation are available for purchase.

| Product Description | Terminal License Units | Product Number |
|-----------------------------------------------------|------------------------|----------------|
| MCL-Designer for Series 3000/6000 | 4 | SW-33452-xx |
| MCL-Designer for Series 7000 | 4 | SW-40100-xx |
| MCL-Designers for Series 3000/6000/7000 | 4 | SW-40101-xx |
| MCL-Designer for Phaser on 3.5" diskette | | SW-35773-xx |
| MCL-Designer for Phaser | | SW-40105-xx |
| MCL-Link | | SW-33454-xx |
| MCL-Link on 3.5" diskette | | SW-33455-xx |
| MCL-Link 4 Port Multi-com v2.10 on 3.5" diskette | | SW-39475-xx |
| MCL-Link 8 Port Multi-com v2.10 on 3.5" diskette | | SW-39476-xx |
| MCL-Link 4 Port Multi-com v2.10 | | SW-40106-xx |
| MCL-Link 8 Port Multi-com v2.10 | | SW-40107-xx |
| MCL-Link for DOS | | SW-40108-xx |
| MCL-NetS24 | | SW-33453-xx |
| MCL-Code Interpreter with 6 units | 6 | SW-36639-xx |
| MCL-Code Interpreter with 12 units | 12 | SW-36640-xx |
| MCL-Code Interpreter with 20 units | 20 | SW-36641-xx |
| MCL-Code Interpreter with 30 units | 30 | SW-36642-xx |
| MCL-Code Interpreter with 40 units | 40 | SW-36643-xx |
| MCL-Code Interpreter with 50 units | 50 | SW-36644-xx |
| MCL-Code Interpreter with 70 units | 70 | SW-36645-xx |
| MCL-Code Interpreter with 100 units | 100 | SW-36646-xx |
| Kits | | |
| MCL-PDT Collection for Series 3000/6000 | 10 | SW-33412-xx |
| MCL-PDT Collection for Series 7000 | 10 | SW-40102-xx |
| MCL-PDT Collection for Series 3000/6000/7000 | 10 | SW-40103-xx |
| MCL-Designers Selection 3000/6000/7000/Phaser | 4 | SW-40104-xx |
| Add-ons | | |
| MCL-Designer 7000 for Series 3000/6000 Add-on | | SW-40109-xx |
| MCL-PDT Collection 7000 for Series 3000/6000 Add-On | | SW-40110-xx |
| Version 1 to Version 2 Upgrades | | |
| MCL-Designer w/MCL-Link Upgrade | | SW-38461-xx |
| MCL-Net S24 w/MCL-Link Upgrade | | SW-38462-xx |
| MCL-Link Upgrade | | SW-38463-xx |
| MCL-Link on 3.5" diskette Upgrade | | SW-38464-xx |
| MCL-PDT Collection Upgrade | | SW-38468-xx |
| Documentation | | |
| MCL-Designer Version 2.1 User's Guide | | 70-38877-01 |
| MCL-Link Version 2.1 User's Guide | | 70-33346-03 |
| MCL-Loader Version 2 User's Guide | | 70-33347-02 |
| MCL-NetS24 Version 2 User's Guide | | 70-33348-02 |

System Requirements

Note: All products require an SVGA display.

| | Operating System | Processor | Available Disk space | RAM | Misc. |
|--------------|--------------------------|---------------------------|----------------------|-----------------------------------|------------------------------------------------------------------|
| MCL-Designer | Win NT 3.51 or Win 95/98 | Pentium 166 MHz or higher | 20 MB | 32 MB (Win NT) or 16 MB Win 95/98 | |
| MCL-NetS24 | Win NT 4.0 or Win 95/98 | Pentium 133 MHz or higher | 40 MB | 32 MB | Ethernet and TCP/IP network support; Spectrum24 wireless network |
| MCL-Link | Win NT or Win 95/98 | 80486/75 MHz or higher | 10 MB | 32 MB (Win NT) or 16 MB Win 95/98 | |
| MCL-Loader | Win NT 4.0 or Win 95/98 | 80486/75 MHz | 40 MB | 32 MB (Win NT) or 16 MB Win 95/98 | |

| MCL-Code Interpreter | | | |
|----------------------------|-----------------------|-------------------------|------------------------------------------------------------------------------------------------------|
| Family | Batch-Minimum Memory | Wireless Minimum Memory | Supported Terminals |
| Series 3000 Series 6000 | 640 KB RAM | 1 MB Flash | PDT 3000/3100/3140/3300 LDT 3805/LRT 3800/3840 PDT 6100/6140 PDT 6800/6840 WSS 1000/1040 |
| Series 7000 | 2 MB RAM 2MB Flash | 2 MB RAM 2 MB Flash | PDT 7200/7240 PDT 7500/7540/7534 |
| VRC | 640 KB RAM | 1 MB Flash | VRC 3940 VRC 5000/5040 VRC 4000/4040 VRC 6940 |
| Phaser | Factory Installed | Factory Installed | P460/470 P360/370 |