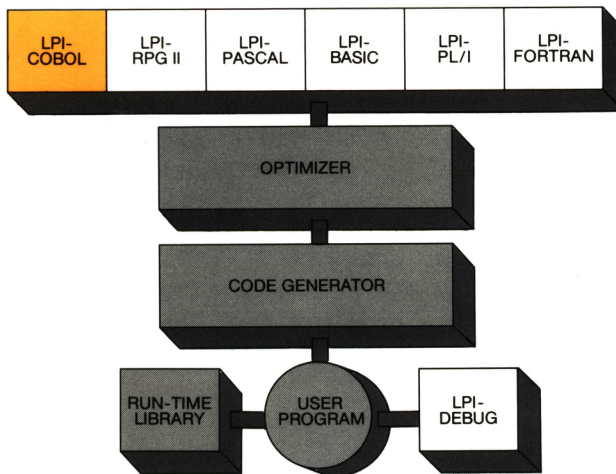


LPI-COBOL

IDEAL FOR 386 SYSTEMS



- ▶ **ANSI COBOL-85 and ANSI COBOL-74 High-Level Implementation**
- ▶ **RM/COBOL™ Compatible**
- ▶ **Micro Focus LEVEL II COBOL™, IBM/370 COBOL, COBOL-74 and COBOL-68 Extensions**
- ▶ **32-Bit High-Performance Compiler**
- ▶ **C-ISAM™ Support**
- ▶ **X/Open® CAE Compliance**
- ▶ **Source-Level Debugging**
- ▶ **Productivity Tools**
- ▶ **Cross-Language Calling**

LPI-COBOL™ is a 32-bit, high performance compiler for the SCO™ XENIX® System that is compatible with a wide variety of COBOL dialects. LPI-COBOL is designed specifically to meet the needs of software developers, computer manufacturers, and the Federal government. Because it meets ANSI standards and offers RM/COBOL and IBM/370 COBOL extensions, users can easily port existing, proven applications from other COBOL dialects. LPI-COBOL's conformance to ANSI standards assures adherence to accepted programming

practices, which eases the conversion to different hardware systems. LPI-COBOL's high-quality plus application portability help protect your software investment.

As part of the family of high-performance LPI programming languages, LPI-COBOL uses the unique LPI Component Architecture™, which enables each language to be compiled as a component of programs written primarily in one of the other LPI languages.

ANSI COBOL-85 and ANSI COBOL-74 High-Level Implementation

LPI-COBOL fully implements the American National Standards Institute (ANSI) COBOL X3.23-1985 and COBOL X3.23-1974 programming languages at the High Level.

RM/COBOL Compatible

LPI-COBOL contains RM/COBOL extensions, including ACCEPT/DISPLAY statements, LINE and BINARY for line and binary sequential file organization, file sharing and record locking via the WITH LOCK phrase (allowed in OPEN statement), the WITH NO LOCK phrase (allowed in READ statements) as well as the UNLOCK statement, and allowing an identifier or literal in STOP RUN statements.

Micro Focus LEVEL II COBOL, IBM/370 COBOL, COBOL-74 and COBOL-68 Extensions

LPI-COBOL contains Micro Focus Level II COBOL extensions, including 1-8 byte computational data types, zoned decimal default, ACCEPT/DISPLAY screen handling, hexadecimal literals, and optional paragraph and section headers. IBM/370 COBOL extensions include the ID synonym for reserved word identification, CBLSW0 through CBLSW8 default names, optional THEN and OTHERWISE in IF clause, and the EJECT, SKIP1, SKIP2 and SKIP3 source listing format control statements. COBOL-68 extensions are the REMARKS paragraph, NOTE statement and EXHIBIT command

for transferring data to the console device specified by NAME.

32-Bit High Performance Compiler

Because LPI-COBOL is a true 32-bit compiler, LPI-COBOL applications can take advantage of the full 32-bit address space of the Intel 386 Architecture. The compiler produces "true" 80386 object code for fast, efficient execution. Developers can select from different optimization levels, ranging from local to global, and optimization techniques that include eliminating "dead code" and common subroutines, and "constant folding."

C-ISAM and Database Support

LPI-COBOL completely supports the C-ISAM database system. C-ISAM lets you quickly look up records in LPI-COBOL by using primary or alternate keys, or by relative access. Record locking is supported to provide data integrity.

LPI-COBOL also supports interfaces to the Oracle™, Informix® and Unify™ relational database management systems.

X/Open CAE Compliance

LPI-COBOL complies with the X/Open Portability Guide, insuring that applications developed with the compiler will be accepted worldwide.

Source-Level Debugging

With LPI-DEBUG™, LPI's optional interactive source-level debugger, programs can be tested and debugged using the conventions and symbols of the source language, regardless of the machine language of the host computer. LPI-DEBUG delivers program execution control, breakpointing with action lists, macro definitions, and many other features.

Productivity Tools

LPI-COBOL contains many features that increase programmer productivity. Annotated listings of the source program, user symbols and their attributes, cross-references, and a summary of compilation statistics are just a few of the convenient LPI listing options which speed software development.

Informative error messages provide the information developers need to quickly isolate and solve coding problems. Messages are complete sentences that include the exact line number of the error and indicate probable solutions, which reduces the time required to fix problems.

LPI-COBOL also provides a runtime system that contains an extensive selection of sub-programs. The runtime system furnishes developers with the convenience of a multi-key, indexed sequential file handler, and a highly efficient SORT/MERGE routine for better, faster applications development.

Cross-Language Calling

LPI's cross-language calling feature lets developers integrate existing sub-programs written in any LPI language and Microsoft® C into their applications. As a result, it not only protects past investments in software development, but also permits the developer to select the best language for a particular programming task.

Language Functions

Verb	Options
ACCEPT	FROM, DATE, DAY, DAY-OF-WEEK, TIME, UNIT, LINE, POSITION, SIZE, PROMPT, ECHO, TAB, CONVERT, ERASE, EOL, EOS, NO BEEP, OFF, HIGH, LOW, BLINK, REVERSE, UPDATE, ON EXCEPTION, AT FROM CRT
ADD	TO, GIVING, CORRESPONDING, ROUNDED, SIZE, FROM CONSOLE, TAB, EXACT, SIZE ERROR
ALTER CALL	TO, PROCEEDING, TO USING, ON OVERFLOW, BY REFERENCE, BY CONTENT, ON EXCEPTION, NOT ON EXCEPTION
CANCEL CLOSE	REEL, UNIT, REMOVAL, NO REWIND, LOCK
COMPUTE	ROUNDED, SIZE ERROR
CONTINUE COPY	OF, IN REPLACING . . . BY
DELETE	INVALID KEY
DISPLAY	UPON, NO ADVANCING, UNIT, LINE, POSITION, SIZE, BEEP, ERASE, HIGH, LOW, EOL, EOS, BLINK, REVERSE, AT, CRT, CRT-UNDER, CONSOLE
DIVIDE	INTO, ROUNDED, SIZE ERROR, GIVING, BY REMAINDER
EJECT	
EVALUATE	TRUE, FALSE, ALSO, WHEN, ANY THROUGH, WHEN OTHER NAMED
EXHIBIT	
EXIT	
EXIT PROGRAM	
GOTO	DEPENDING
IF	THEN, NEXT SEQUENCE, ELSE, OTHERWISE
INITIALIZE	REPLACING, ALPHABETIC, ALPHANUMERIC, NUMERIC, ALPHANUMERIC-EDITED, NUMERIC-EDITED
INSPECT	TALLYING, FOR, ALL, LEADING, CHARACTERS, BEFORE, AFTER, REPLACING, FIRST, CONVERTING, BY
MERGE	ASCENDING, DESCENDING, SEQUENCE, USING, OUTPUT PROCEDURE, THROUGH GIVING
MOVE	TO, CORRESPONDING
MULTIPLY	BY, ROUNDED, SIZE ERROR, GIVING
NOTE	
OPEN	INPUT, OUTPUT, I-O, EXTEND, LOCK, REVERSED, NO REWIND
PERFORM	THROUGH, TIME, UNTIL, TEST, VARYING, FROM, BY . . . UNTIL, BEFORE, AFTER
READ	NEXT, NO LOCK, INTO, AT END, KEY IS, INVALID KEY
RELEASE	FROM
RETURN	INTO, AT END

REWRITE SEARCH	FROM, INVALID KEY VARYING, AT END, WHEN, ALL, NEXT SENTENCE, EQUAL, AND TO, TRUE, UP BY, DOWN BY
SET	
SKIP	
SORT	ASCENDING, DESCENDING, DUPLICATE SEQUENCE, INPUT, PROCEDURE, OUTPUT PROCEDURE, THROUGH, USING, GIVING
START	KEY, EQUAL, GREATER, GREATER OR EQUAL, NOT LESS, INVALID KEY
STOP	RUN
STRING	DELIMITED BY, SIZE, INTO POINTER, ON OVERFLOW
SUBTRACT	FROM, ROUNDED, SIZE ERROR, GIVING, CORRESPONDING
UNLOCK	
UNSTRING	DELIMITED, ALL, OR, INTO, DELIMITER, COUNT, POINTER, TALLYING, ON OVERFLOW
USE	AFTER, GLOBAL, EXCEPTION, ERROR, PROCEDURE, INPUT, OUTPUT, I-O, EXTEND
WRITE	FROM, BEFORE, AFTER, PAGE, LINE, LINES, END-OF-PAGE, EOP, INVALID KEY

Minimum System Requirements:

System: 80386-based industry-standard or Micro Channel™ computer.
 RAM: 2 Mbytes available user memory
 Hard Disk: 20 Mbytes
 Operating System: SCO XENIX 386™ Operating System
 Development System: SCO XENIX 386 Development System

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