

Software Developer Kits Datasheet

PKWARE Software Developer Kits Product Family

- **SecureZIP Toolkit:**
Combines compression and data security to secure files with passphrases or digital certificates
- **PKZIP Standard Toolkit:**
Provides powerful data compression for creating archives in the industry - standard ZIP format
- **Data Compression Library:**
PKWARE's traditional library enables basic data compression when ZIP file format is not required

SecureZIP Toolkit

The SecureZIP Toolkit includes all the data compression capabilities of the PKZIP Standard Toolkit as well as advanced ZIP archive management and strong data security functionality. The SecureZIP Toolkit allows Windows applications to leverage Microsoft's Crypto API, which is included in all major versions of Windows operating systems, as well as security capabilities that enable applications to encrypt files using a wide range of industry and government standard symmetric key algorithms including 3DES and AES. Files can be encrypted using either passphrases or X.509-compliant digital certificates. Digital signature capabilities are also available to help ensure file authenticity, integrity and to support non-repudiation. Integration with LDAP-compliant interfaces allows for the automatic location and retrieval of X.509 certificates for data encryption. Developers can also create self-extracting ZIP files with the SecureZIP Toolkit, allowing users to automatically decompress and extract files.

PKZIP Standard Toolkit

The PKZIP Standard Toolkit includes the capabilities of the Data Compression Library and adds the ability to create different types of data file archives, including ZIP archives, as well as extracting data from a large selection of archive types. The PKZIP Standard Toolkit also exposes many of the advanced archive management functions previously only available with PKWARE's end-user applications. In addition to ZIP archives, the Toolkit can create BZIP2 and GZIP compressed file archives, as well as TAR, UUENCODE, and XXENCODE archives. Extraction capabilities include all these types, as well as CAB, BinHex, ARJ, LZH, and RAR archives. Additionally, ZIP files created with the Standard Toolkit can be extracted on any PKWARE supported platform.

Data Compression Library

The PKWARE Data Compression Library (DCL) for Windows provides a high-speed interface for compressing and decompressing data files within applications, when ZIP file archiving is not required. DCL compression generally reduces typical data file sizes by 50% or more, while reducing some types of ASCII and database files by as much as 90%.

PKWARE's well-known DCL has been available for over a decade with the traditional DCL Implode compression algorithm. The Windows DCL includes support for the DEFLATE and DEFLATE64 algorithms. There are no limits to the types of data that can be processed with the PKWARE DCL algorithms, allowing compression and decompression to and from memory, media, serial ports, or any other device that an application can address.

System Requirements

The PKWARE SDK runs on all major Windows platforms and requires minimal system resources.

OS Versions:

Windows 98, Me, NT 4.0, 2000, XP, 2003 (98 and Me requires IE6 and up)

Minimum Requirements:

5 MB of hard disk space, 64 MB RAM

Development Environment: Visual Studio®6.0 and better

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