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## Reference Manual



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## Chapter 2

# Class Documentation

### 2.1 GDAL\_EDBFile Class Reference

#### Public Member Functions

- **GDAL\_EDBFile** (GDALDataset \*poDSIn)
- int **Close** () const
- int **GetWidth** () const
- int **GetHeight** () const
- int **GetChannels** () const
- int **GetBlockWidth** (int channel) const
- int **GetBlockHeight** (int channel) const
- eChanType **GetType** (int channel) const
- int **ReadBlock** (int channel, int block\_index, void \*buffer, int win\_xoff, int win\_yoff, int win\_xsize, int win\_ysize)
- int **WriteBlock** (int channel, int block\_index, void \*buffer)

The documentation for this class was generated from the following file:

- gdal\_edb.cpp

## 2.2 PCIDSK2Band Class Reference

### Public Member Functions

- **PCIDSK2Band** ([PCIDSK2Dataset](#) \*, PCIDSKFile \*, int)
- **PCIDSK2Band** (PCIDSKChannel \*)
- virtual CPLErr **IReadBlock** (int, int, void \*)
- virtual CPLErr **IWriteBlock** (int, int, void \*)
- virtual int **GetOverviewCount** ()
- virtual GDALRasterBand \* **GetOverview** (int)
- virtual GDALColorInterp **GetColorInterpretation** ()
- virtual GDALColorTable \* **GetColorTable** ()
- virtual CPLErr **SetColorTable** (GDALColorTable \*)
- virtual void **SetDescription** (const char \*)
- CPLErr **SetMetadata** (char \*\*, const char \*)
- char \*\* **GetMetadata** (const char \*)
- CPLErr **SetMetadataItem** (const char \*, const char \*, const char \*)
- const char \* **GetMetadataItem** (const char \*, const char \*)
- virtual char \*\* **GetCategoryNames** ()

### Friends

- class [PCIDSK2Dataset](#)

The documentation for this class was generated from the following file:

- pcidskdataset2.cpp
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## 2.3 PCIDSK2Dataset Class Reference

### Public Member Functions

- char \*\* **GetFileList** (void)
- CPLErr **GetGeoTransform** (double \*padfTransform)
- CPLErr **SetGeoTransform** (double \*)
- const char \* **GetProjectionRef** ()
- CPLErr **SetProjection** (const char \*)
- CPLErr **SetMetadata** (char \*\*, const char \*)
- char \*\* **GetMetadata** (const char \*)
- CPLErr **SetMetadataItem** (const char \*, const char \*, const char \*)
- const char \* **GetMetadataItem** (const char \*, const char \*)
- virtual void **FlushCache** (void)
- virtual CPLErr **IBuildOverviews** (const char \*, int, int \*, int, int \*, GDALProgressFunc, void \*)

### Static Public Member Functions

- static int **Identify** (GDALOpenInfo \*)
- static GDALDataset \* **Open** (GDALOpenInfo \*)
- static GDALDataset \* **LLOpen** (const char \*pszFilename, PCIDSK::PCIDSKFile \*, GDALAccess eAccess)
- static GDALDataset \* **Create** (const char \*pszFilename, int nXSize, int nYSize, int nBands, GDALDataType eType, char \*\*papszParmList)

### Friends

- class [PCIDSK2Band](#)

The documentation for this class was generated from the following file:

- pcidskdataset2.cpp
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## 2.4 PCIDSKDataset Class Reference

### Public Member Functions

- virtual void **FlushCache** (void)
- CPLErr **GetGeoTransform** (double \*padfTransform)
- virtual CPLErr **SetGeoTransform** (double \*)
- const char \* **GetProjectionRef** ()
- virtual CPLErr **SetProjection** (const char \*)
- virtual int **GetGCPCount** ()
- virtual const char \* **GetGCPProjection** ()
- virtual const GDAL\_GCP \* **GetGCPs** ()
- int **SegRead** (int nSegment, vsi\_l\_offset nOffset, int nSize, void \*pBuffer)

### Static Public Member Functions

- static int **Identify** (GDALOpenInfo \*)
- static GDALDataset \* **Open** (GDALOpenInfo \*)
- static GDALDataset \* **Create** (const char \*pszFilename, int nXSize, int nYSize, int nBands, GDALDataType eType, char \*\*papszParmList)
- static GDALDataset \* **CreateCopy** (const char \*pszFilename, GDALDataset \*poSrcDS, int bStrict, char \*\*papszOptions, GDALProgressFunc pfnProgress, void \*pProgressData)

### Friends

- class [PCIDSKRawRasterBand](#)
- class [PCIDSKTiledRasterBand](#)

The documentation for this class was generated from the following files:

- gdal\_pcidsk.h
  - pcidskdataset.cpp
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## 2.5 PCIDSKRawRasterBand Class Reference

### Public Member Functions

- **PCIDSKRawRasterBand** (GDALDataset \*poDS, int nBand, VSILFILE \*fpRaw, vsi\_l\_offset nImgOffset, int nPixelOffset, int nLineOffset, GDALDataType eDataType, int bNativeOrder)
- virtual int **GetOverviewCount** ()
- virtual GDALRasterBand \* **GetOverview** (int iOverview)

### Friends

- class [PCIDSKDataset](#)

The documentation for this class was generated from the following file:

- gdal\_pcidsk.h

## 2.6 PCIDSKTiledRasterBand Class Reference

### Public Member Functions

- **PCIDSKTiledRasterBand** ([PCIDSKDataset](#) \*, int, int)
- virtual CPLErr **IReadBlock** (int, int, void \*)
- int **SysRead** (vsi\_l\_offset nOffset, int nSize, void \*)
- virtual int **GetOverviewCount** ()
- virtual GDALRasterBand \* **GetOverview** (int iOverview)

### Friends

- class [PCIDSKDataset](#)

The documentation for this class was generated from the following files:

- gdal\_pcidsk.h
  - pcidsktiledrasterband.cpp
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## 2.7 VSI\_IOInterface Class Reference

The documentation for this class was generated from the following file:

- vsi\_pcidsk\_io.cpp