



https://verifone.cloud/docs/application-development-kit-version-48/sdi_if_8h_source

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sdi_if.h

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```
1 /*****
<vector> 14 #include <string> 15 #include <stdint.h> 16 #include <
emv/EMV_Common_Interface.h> // for EMV_ADK_INFO 17 #include <sysinfo/
sysinfo.h> // for property enumerations 18 #include <html/prt.h>
// for printer property enumerations 19 namespace libsdi { 21
<unsigned char>
responseData; 226 }; 227 228 private: 229 // make SdiBase non-co
<unsigned char>
& data); 387 397 void set(const char* path, const std::string& value);
<unsigned char>
& buffer); 494 502 bool get(const char* path, std::string& value); 503
<unsigned char>& track1, 750 std::vector<unsigned char>
& track2, 751 std::vector<unsigned char>
& track3); 752 760 bool vclStatusRequest(std::vector<unsigned char>
& vclStatus); 761 772 bool vclAdvanceDDK(std::vector<unsigned char>
& track1, 773 std::vector<unsigned char>
& track2, 774 std::vector<unsigned char>
& track3); 775 787 bool vclRequestEParms(std::vector<unsigned char>
>
& eParms); 788 799 std::string vclGetDiagnosticData(unsigned char format
<unsigned char>& track1, 821 std::vector<unsigned char>
& track2, 822 std::vector<unsigned char>
& track3); 823 832 bool vclKsnRequest(std::string& ksn); 833 841
<unsigned char>& data, 855 std::vector<
unsigned char>
& response); 856 866 bool setManualPAN(const std::vector<unsigned
char>
& pan); 867 877 bool setManualPAN(const std::string& pan); 878 892
<MatchingRecord>
& records, 893 const std::vector
<unsigned char>
& currentDate, 894 const unsigned cl
<unsigned char> IIN = std::vector<unsigned char>
()); 896 904 libsdi::SDI_SW12 getValidationInfo(std::string& info); 905
<unsigned char>
& packet, 928 unsigned packet_no, 929
<unsigned char>
* md5 = NULL, 943 const std::vector<
unsigned char>
* mac = NULL, 944 bool epp = false); 945
<unsigned char>
```

```
& cert); 986Â      996Â      bool getLastInstallError(std::string& json, std::string&
<unsigned char>
& certificate); 1046Â    1053Â    bool setUseCurrencyAbbreviation(const unsigned char
<unsigned char>
& data); 1145Â    1146Â    private: 1147Â    bool sysPower(unsigned char p2, bool epp
<unsigned char>
& opts); // see cts_StartSelection 1202Â    1208Â    void setTecConfig(const std::v
<unsigned char>
& opts); // see cts_SetOptions 1209Â    1215Â    void setCancelButton(bool enable)
<unsigned char>
& opts); 1371Â    1378Â    enum libsdi::SDI_SW12 removeTechnology(unsigned char te
<unsigned char>
& data); 1398Â    1403Â    std::string getCardholderName(); 1404Â    1409Â    std::s
<unsigned char>
& data); 1426Â    1440Â    int getPluginResponseData(unsigned index, 1441Â
<unsigned char>
& data); 1444Â    1451Â    bool getPluginResponseData(std::vector<
PluginResult>
& results); 1452Â    1459Â    std::string getString(unsigned CTS_DATA_TAG); 1460Â
<unsigned char>
& data); 1493Â    1501Â    int getData(unsigned CTS_DATA_TAG, std::vector<
unsigned char>
& data); 1502Â    1512Â    int getData(unsigned CTS_DATA_TAG, int n, std::vector
<unsigned char>& data); 1513Â    1522Â    int getTecselData(std::vector<
unsigned char>
& data); 1523Â    1538Â    int startMsrRead(unsigned timeout_sec); 1539Â    1551Â
<unsigned char>
& opts); 1552Â    1561Â    int msrGetTrackStatus(int track); 1562Â    1569Â    int ms
<unsigned char>
& token); 1570Â    1571Â    CardDetection(); 1572Â    ~CardDetection(); 1573Â    158
<unsigned char>
& status); 1761Â    1767Â    bool stopPinEntry(); 1768Â    1777Â    bool setPinInput
<unsigned char>& data, 1936Â
std::vector<unsigned char>
& encrypted); 1937Â    1949Â    bool decrypt(const std::vector<unsigned char>
& encrypted, 1950Â
std::vector<unsigned char>
& decrypted); 1951Â    1963Â    bool sign(const std::vector<unsigned char>
& data, 1964Â
std::vector<unsigned char>
& signature); 1965Â    1977Â    bool verify(const std::vector<unsigned char>
& data, 1978Â
const std::vector<unsigned char>
& signature); 1979Â    1994Â    bool updateKey(unsigned char keyType, const std::v
<unsigned char>& keyData, 1995Â
std::vector<unsigned char>
* proprietaryData = NULL, 1996Â
const unsigned char AS2805 = 0, 1997Â
<unsigned char>
* KCV = NULL); 1998Â    2010Â    bool setKeySetId(uint32_t ksid, uint32_t mksid =
<unsigned char>
& pinBlock, 2022Â
bool requestZeroPinBlock = false); 2023Â    2029Â    s
<unsigned char>
& keyData, unsigned char kekFlag = 0); 2040Â    2047Â    std::string getStatus();
<unsigned char>
& iv) 2080Â    { 2081Â    initialVector = iv; 2082Â    } 2083Â    2089Â    void get
<unsigned char>
& iv) const 2090Â    { 2091Â    iv = initialVector; 2092Â    } 2093Â    2094Â    21
<unsigned char>
& ksn) const 2101Â    { 2102Â    ksn = keySerialNumber; 2103Â    } 2104Â    2108Â
<unsigned char> tagList;
2111Â    std::vector<unsigned char>
applicationData; 2112Â
std::vector<unsigned char>
dataOptions; 2113Â    }; 2114Â    2129Â    bool getEncData(const Placeholder
```

```
<unsigned char>
& encrypted, 2131Â          bool useStoredData = false, 2132Â          bool in
<unsigned char>& messageTemplate, 2150Â          const std::vector<
Placeholder>& placeholder, 2151Â          std::vector<unsigned char>
& encrypted, 2152Â          bool useStoredData = false, 2153Â          bool in
<unsigned char>& messageTemplate, 2171Â          const std::vector<
Placeholder>& placeholder, 2172Â          std::vector<unsigned char>
& signature, 2173Â          bool useStoredData = false, 2174Â          bool in
<unsigned long> tags, std::vector<unsigned char>
& data); 2184Â  2191Â  bool setEncTrxDData(const std::vector<unsigned char
>
  data); 2192Â  2198Â  bool endEncTrxDData(); 2199Â  2200Â private: 2201Â  uns
<unsigned char> initialVector; 2203Â  std::vector<unsigned char>
  keySerialNumber; 2204Â  uint32_t keySetId; 2205Â  uint32_t masterKeySetId; 22
<unsigned char>
& token); 2352Â  2361Â  int getPluginResponseData(std::vector<unsigned
char>
& data); 2362Â  2376Â  int getPluginResponseData(unsigned index, 2377Â
<unsigned char>
& data); 2380Â  2387Â  bool getPluginResponseData(std::vector<
PluginResult>
& results); 2388Â  }; 2389Â  2435Â class Dialog: public SdiCmd 2436Â  { 2437Â pub
<unsigned char>
& signature, std::string& format, 2695Â          bool epp = true); 2696Â  2703
<std::string>
  getInputFieldNames(); 3037Â  3038Â private: 3039Â  int startDialog(unsigned cl
```