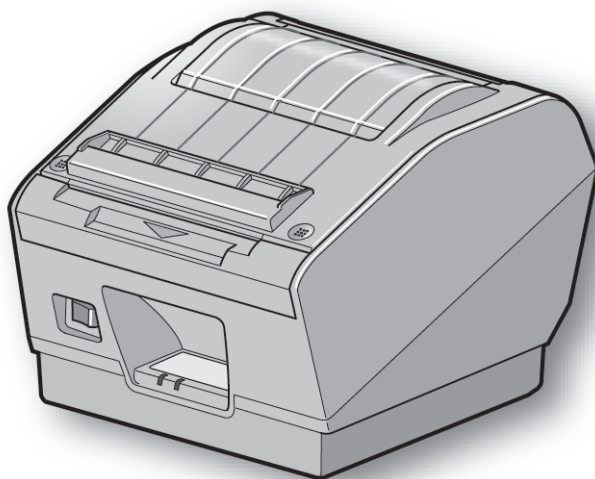


# **Label Printer TSP828L**

## ***Software Development Kit Manual***



The company names and product names that appear in this manual are generally trademarks or registered trademarks of each company.

# Index

1. Status Monitor API .....	1
1.1 GetStarPrinterStatus.....	3
2. Release History.....	4

# 1. Status Monitor API

## Outline

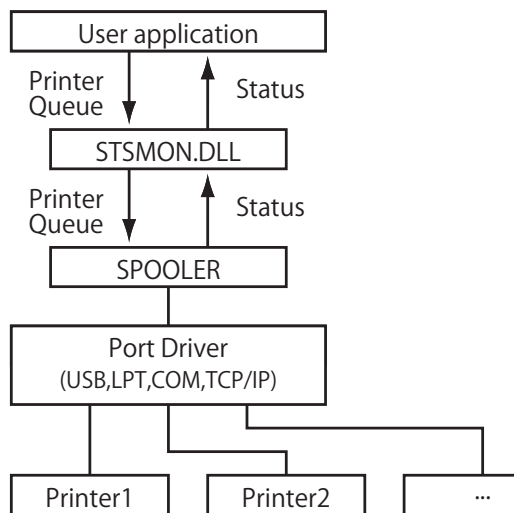
The TSP828L language monitor is offering API for the custom application. The state of the printer can be acquired by using these API.

### ◆ Flow of the printer status acquisition

You have to change MEMORY SWITCH setting as follows;

Serial I/F	MSW7-C = 1	: ASB is Enabled.
Parallel I/F	MSW7-8 = 1	: NSB is Enabled.

User application goes through STSMON.DLL and communicates with a spooler, get printer status.



### ◆ The status information which is possible to get

The printer status which you can get is as follows.

- Parsed Status (analyzed status)  
Each flag becomes error status in the case of "TRUE".
- Raw Status  
It is the status data which it is not analyzed 64 bytes into.

## Function

Function	Content of processing
GetStarPrinterStatus	Get printer status

## StarPrinterStatus Structure

Satus Monitor API will store printer staus into StarPrinterStatus structure.  
StarPrinterStatus structure is followings .

```
typedef struct StarPrinterStatus_2_  
{  
    // printer status 1  
    BOOL coverOpen;                // Cover Status  
    BOOL offline;                  // ONLINE / OFFLINE Status  
    BOOL compulsionSwitch;         // Compulsion SW  
  
    // printer status 2  
    BOOL overTemp;                 // Stopped by high head temperature  
    BOOL unrecoverableError;       // Non-recoverable Error  
    BOOL cutterError;              // not supported in this model  
    BOOL mechError;                // not supported in this model  
    BOOL headThermistorError;      // not supported in this model  
  
    // printer status 3  
    BOOL receiveBufferOverflow;    // Receive Buffer Overflow  
    BOOL pageModeCmdError;         // not supported in this model  
    BOOL blackMarkError;          // BM Error  
    BOOL presenterPaperJamError;   // not supported in this model  
    BOOL headUpError;              // not supported in this model  
    BOOL voltageError;             // not supported in this model  
  
    // printer status 4  
    BOOL receiptBlackMarkDetection; // not supported in this model  
    BOOL receiptPaperEmpty;         // Paper End  
    BOOL receiptPaperNearEmptyInner; // not supported in this model  
    BOOL receiptPaperNearEmptyOuter; // not supported in this model  
  
    // printer status 5  
    BOOL presenterPaperPresent;     // not supported in this model  
    BOOL peelerPaperPresent;        // Peeler Paper Present  
    BOOL stackerFull;               // not supported in this model  
    BOOL slipTOF;                   // not supported in this model  
    BOOL slipCOF;                   // not supported in this model  
    BOOL slipBOF;                   // not supported in this model  
    BOOL validationPaperPresent;    // not supported in this model  
    BOOL slipPaperPresent;          // not supported in this model  
  
    // printer status 6  
    BOOL etbAvailable;              // ETB Available  
    UCHAR etbCounter;               // ETB Counter  
  
    // printer status 7  
    UCHAR presenterState;           // not supported in this model  
  
    // raw  
    UINT32 rawLength;               // Raw data Length  
    UCHAR raw[63];                  // Raw data  
} StarPrinterStatus_2;
```

## 1.1 GetStarPrinterStatus

Get printer status

```
BOOL GetStarPrinterStatus(
    LPCSTR queueName,           // Printer queue Name
    StarPrinterStatus_2 * status // Point to StarPrinterStatus_2 structure
);
```

### Parameter

#### **queueName**

[in] Specify the pointer to the character string that ends with NULL where the printer queue name is maintained. The printer queue name is a printer name in "Printer and fax folder".

#### **status**

[out] This specifies the pointer to the StarPrinterStatus structure that stores the printer status.

### Return Values

If the function succeeds, the return value is "TRUE".

If the function fails, the return value is "FALSE".

### Remarks

Status information on the printer is stored in the buffer specified that the GetStarPrinterStatus function is executed by the status parameter.

For getting the extended error information, **GetLastError** function in Windows standard library is used. The error codes which were returned by **GetLastError** function are indicated in the following contents.

<b>ERROR_NOT_READY</b>	Printer power OFF
<b>ERROR_BROKEN_PIPE</b>	The printer is in use ( printing etc )

### Sample program

Prepare sample program of Visual Studio Basic and Visual Studio C++. Sample program shows status condition using GetStarPrinterStatus function.

For details about the Sample program, refer to the "Readme\_en.txt".

## 2. Release History

Rev. No.	Date	Contents
Rev. 1.0	Feb. 2006	New release
Rev. 3.0	Oct. 2009	Star Language Monitor upgrade is supported



**ELECTRONIC PRODUCTS DIVISION  
STAR MICRONICS CO., LTD.**

536 Nanatsushinya, Shimizu-ku, Shizuoka,  
424-0066 Japan

Tel: (int+81)-54-347-0112, Fax: (int+81)-54-347-0709

Please access the following URL  
<http://www.star-m.jp/eng/dl/dl02.htm>  
for the latest revision of the manual.

**OVERSEAS SUBSIDIARY COMPANIES  
STAR MICRONICS AMERICA, INC.**

1150 King Georges Post Road, Edison, NJ 08837-3729 U.S.A.  
Tel: (int+1)-732-623-5555, Fax: (int+1)-732-623-5590

**STAR MICRONICS EUROPE LTD.**

Star House, Peregrine Business Park, Gomm Road,  
High Wycombe, Bucks, HP13 7DL, U.K.  
Tel: (int+44)-1494-471111, Fax: (int+44)-1494-473333

**STAR MICRONICS ASIA LTD.**

Rm. 1901-5, 19/F., Enterprise Square Two,  
3 Sheung Yuet Road, Kowloon Bay, Hong Kong  
Tel: (int+852)-2796-2727, Fax: (int+852)-2799-9344