**CAS Communication Library**

**For CasScale OCX 2.4.38**

**2017-09-28**

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# **CAS CasScale.OCX**

* 1. **The file to communicate with Scale of CAS (CL5000 series)**

To operate a program to communicate with CAS label scale, five file with application program must be existed in the same route.

It is necessary to add only CasScale.ocx to operation a program.

* 1. CasScale.ocx (Application ActiveX)
  2. CASPRTC.dll (DLL Interface DLL)
  3. CASTCPIP.dll (TCP/IP Communication DLL)
  4. CLInterpreter.dll (CL5000 Interpreter DLL)
  5. DATAOPTION.INI(Product Aiticle Set File)
  6. **DATAOPTION.INI**

DATAOPTION.INI is used to transmit only needed field when transmitting the PLU data.

The number of field is as smaller which is included in the communication, the speed of communication is faster. Transmitter all fields if DATAOPTION.INI is not existed.

Each field of product information is recorded in DATAOPTION.INI.

1. Structure of DATAOPTION.INI

|  |  |
| --- | --- |
| **Description** | **Explanation** |
| [FILE\_INFO]  FILE\_VER = 1  FILE\_USE = 1  COUNTRY\_NAME = UN  <Middle drop>  PLU\_FIELD1\_CODE = 1  PLU\_FIELD1\_NAME = Department No  PLU\_FIELD1\_LEVEL= 1  ….  PLU\_FIELD51\_CODE = 100  PLU\_FIELD51\_NAME = Fixed Weight  PLU\_FIELD51\_LEVEL= 0 | FIELD CODE  FIELD CODE NAME  USE OR NOT WHEN COMMUNICATING  FIELD CODE  FIELD CODE NAME  USE OR NOT WHEN COMMUNICATING |

1. SET OF FIELD USE

Set the ‘PLU\_FILED\_LEVEL’ value of each field (1: Use, O: Not use).

In case of above table, FIELD1 (Department No.) is transmitted and FIELD51 (Fixed Weight) is not transmitted.

* 1. **How to register the OCX**

The OCX(AtiveX) sholuld be registered in PC, if you want to use ativeX. after that you can open the sample program in VB or C#

If you don’t register the OCX file, there will be two library missing so that we cannot compile to test.

-AxCASSCALELib

-CASSCALELib.

A. Command to register

The command to register the 'CasScale.ocx' is below

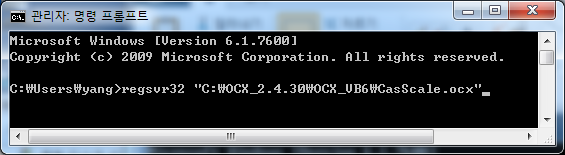
=> regsvr32 path

ex) if you want to open VB Sample program

and the path of 'CasScale.ocx' is "C\OCX\_2.4.34\OCX\_VB6\CasScale.ocx"

  The command is like below

 => regsvr32  "C:\OCX\_2.4.34\OCX\_VB6\CasScale.ocx"



   if you want to open C# Sample program

and the path is "C:\OCX\_2.4.34\OCX\_Csharp\OCX\_Csharp\bin\CasScale.ocx"  
  The command is this

    => regsvr32  "C:\OCX\_2.4.34\OCX\_Csharp\OCX\_Csharp\bin\CasScale.ocx"

B. Command to unresigter

  if  you want to unregister the OCX, the command is

  => regsvr32 /u path

# **Explanation of CASScale.ocx Function**

* 1. **Socket** 
     1. **Scale connection**

**Long ConnectionEx3 (string** Scale IP**, long** Scale Port**, integer** ScaleID**, long** Scale Model**,**

**string** ScaleVersion**, long** DataType**)**

Parameter:

ScaleIP: Scale’s IP Address

ScalePort: Scale’s Port Number

ScaleID : ID which is set to scale (if it is not existed: -1)

ScaleModel: Model number of scale (Refer to the chapter 3.5. Default: 5000)

ScaleVersion: Firmware version of scale (Initial connection: Use ‘1.94.0,1.7,1’)

Data Type: Type of transmitter data (Use 217 or 218 to connect a scale)

Return:

Return the result of function operation (1: success, 0: fail)

The function returns a value without receive the result of scale connection.

The result of connecting scale is returned as function of OnStateEvent Return.

* + 1. **Disconnect a connection of scale**

**Long DisconnectOneEx (string** ScaleIP**, integer** ScaleID**)**

Parameter:

Scale IP: IP address of scale to disconnect

ScaleID: ID which is set to scale (if it is not existed: -1)

Return:

Return the result of disconnect (1: Success, 0: Fail)

* + 1. **Data Transmission**

**Long SendDataString (string** ScaleIP**, integer** ScaleID**, long** ScaleModel**, string** ScaleVersion**, long** TransType**, long** DataType**, string** Data**)**

Parameter:

ScaleIP: Scale’s IP Address

ScaleID: ID which is set to scale (if it is not existed: -1)

ScaleModel : Model number of scale (Refer to the chapter 3.5)

ScaleVersion : Firmware version of scale

TransType : Type of transmission (Refer to the chapter 3.3)

DataType : Type of transmission data (Refer to the chapter 3.4)

Data: Date to send (Upload / Download)

Return:

Return the of transmission result (1: success, 0: Fail, -1: error)

The function returns a value without receive the result of transmission.

When transmission if requested, it is processed a transmission in extra tread.

* 1. **FTP**
     1. **FTP Connection**

**Long ConnectionFTP (string** ScaleIP**, long** ScalePort**, integer** ScaleID**, long** ScaleModel**,**

**string** LocalPath**, string** RemotePath**, string** UserID**, string** UserPassword**)**

Parameter:

ScaleIP : Scale’s IP Address

FTPPort : FTP port of the FTP Server(Scale)

ScaleID : ID which is set to scale (if it is not existed: -1)

ScaleModel : Model number of scale (Refer to the chapter 3.5)

LocalPath : The directory path where the file is.(Exclude the file name)

RemotePath: The directory path where the file to be transmitted in the FTP Server(Scale)

UserID : FTP User ID

UserPassword : FTP Password

Return:

Return the of transmission result (1: success, 0: Fail)

If the return value is 1, you can send a file

* + 1. **FTP Disconnection**

**Long DisconnectionFTP (string ScaleIP, integer** ScaleID**)**

Parameter:

ScaleIP : Scale’s IP Address

ScaleID: ID which is set to scale (if it is not existed: -1)

Return:

Return the result of disconnect (1: Success, 0: Fail)

* + 1. **FTP File Transmission**

**Long SendFile (string ScaleIP, integer ScaleID, long** ScaleModel**, string** ScaleVersion**,**

**long** TransType**, long** DataType**, string** LocalPath**, string** RemoteFileName**)**

Parameter:

ScaleIP: Scale’s IP Address

ScaleID: ID which is set to scale (if it is not existed: -1)

ScaleModel : Model number of scale (Refer to the chapter 3.5)

ScaleVersion : Firmware version of scale

TransType : Type of transmission (Refer to the chapter 3.3)

DataType : Not Use. Set 0

LocalPath : The full path of the file.(Include the file name)

RemoteFileName: The file name in the FTP Server(Scale). You can change the file name in the FTP Server

Return:

Return the of transmission result (1: success, 0: Fail)

The function returns a value without receive the result of transmission.

When transmission if requested, it is processed a transmission in extra tread.

* 1. **Receive Event**
     1. **Result Receive Event**

**void RecvEventString (string** ScaleIP**, integer** ScaleID**, long** Result**, long** TransType**,**

**long** DataType**, long** ScaleModel**, string** Data**)**

Parameter:

ScaleIP: Scale’s IP Address

ScaleID: ID which is set to scale (if it is not existed: -1)

Result: Result of the preceded function

TransType: Transmission and reception Command type of the preceded function (Refer to the chapter 3.3)

DataType : Data type of the preceded function (Refer to the chapter 3.4)

ScaleModel : Number of scale model (Refer to the chapter 3.5)

Data: Return date if received date is existed

* + 1. **State Receive Event**

**void StateEvent(string** ScaleIP**, integer** ScaleID**, long** State**, string** Data**)**

Parameter:

ScaleIP: Scale’s IP Address

ScaleID: ID which is set to scale (if it is not existed: -1)

State: Result of the preceded function

Data: Additional explanation

# **Parameter Properties of Function**

**3.1 Result**

|  |  |
| --- | --- |
| **Property Value** | **Details** |
| **1001** | Success of data download or upload |
| **1002** | Failure of data download or upload |
| **1011** | Success of FTP file transmission |
| **1012** | Failure of FTP file transmission |
| **79** | Failure of data retransmission |
| **89** | Scale memory is full |
| **99** | The recived data is the last data |
| **16** | Proceding delete all PLU data |

* 1. **State**

|  |  |
| --- | --- |
| **Property Value** | **Details** |
| **1** | Connected with scale |
| **16** | Timeout for progress |
| **20** | Failure for connection |
| **21** | Failure for data transfer |
| **22** | No response from scale after transfer |

**3.3 TransType**

|  |  |
| --- | --- |
| **Property Value** | **Details** |
| **2** | Upload data from scale |
| **3** | Download data to scale |
| **4** | Delete one data on the scale |
| **5** | Delete all the data on the scale |
| **31** | Send files to the FTP server(Scale) |

* 1. **DataType**

|  |  |
| --- | --- |
| **Property Value** | **Details** |
| **98** | PLU data type 6 (Version 6)  (Use when download to PLU or upload all PLUs from scale) |
| **97** | PLU data type 5 (Version 5) |
| **218** | PLU data type 4 (Version 4) |
| **62** | Scale’s firmware version |
| **67** | Residual memory of scale‘s PLU data |
| **94** | Residual memory of scale‘s report data |
| **88** | Livestock data (Korea version) |
| **243** | Scale’s remote IP |
| **77** | PLU Key for Bench type scale (ex. CL5000/CL5500 pole type) |
| **78** | Function Key for Bench type scale (ex. CL5000/CL5500 pole type) |
| **187** | PLU Key for CL5200 Bench type scale (ex. CL5200 Bench type) |
| **188** | Function Key for CL5200 Bench type scale (ex. CL5200 Bench type) |
| **79** | PLU Key for Poletype scale (ex. CL5000/CL5200/CL5500 pole type) |
| **80** | Function Key for Poletype scale (ex. CL5000/CL5200/CL5500 pole type) |
| **171** | PLU Key for Double-Ticket scale (ex. CL5500 double type) |
| **172** | Function Key for Double-Ticket scale (ex. CL5500 double type) |
| **173** | PLU Key for Double-Ticket scale (ex. CL5500 double type) |
| **174** | Function Key for Double-Ticket scale (ex. CL5500 double type) |
| **169** | PLU Key for CL7200 Self type (ex. CL7200 Self Type) |
| **179** | Product Number for CL7200 Self type (ex. CL7200 Self Type) |
| **181** | Design property for CL7200 Self type (ex. CL7200 Self Type) |
| **185** | Design property for CL7200 U type (ex. CL7200 U Type) |
| **87** | Slaughter house data (Korea version) |
| **203** | Scroll Message (Version 3) |
| **15** | Label Message |
| **26** | Store |
| **29** | Security(User) |
| **216** | Discount (Version 2) |
| **201** | Nutrition fact (Version 2) |
| **45** | Report – PLU |
| **215** | Report – Scale (Version 2) |
| **211** | Report – Clerk (Version 2) |
| **212** | Report – Department (Version 2) |
| **213** | Report – Group (Version 2) |
| **214** | Report – Hourly (Version 2) |
| **49** | Report - Tax |

* 1. **ScaleModel**

|  |  |
| --- | --- |
| **Property Value** | **Details** |
| **5000** | CL5000 |
| **5500** | CL5500 |
| **5200** | CL5200 |
| **5010** | CL5000J |
| **7200** | CL7200 |
| **17** | LP17 |

# **Data transmission**

* 1. **PLU Data**

To transfer PLU, data should have the following structure (string formation): create and submit PLU data, string column, and each field of data item have a fixed value of the length of the column.

If fixed values ​​of the data is less than the length of the data, depending on the nature of the item in case of an item with a numeric value to '0 'to fill the “Spaces” filled in the case of the string.

* + 1. **Data structure of product transfer Format (Data Type:98)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NO.** | **Article Name** | **Length** | **Details** | **Example** |
| 1 | Department number | 4 |  | “0001” |
| 2 | PLU Call number | 6 |  | “000001” |
| 3 | PLU Type | 2 | 1.Weight PLU  2.Count PLU  3. PCS PLU | “01” |
| 4 | Unit weight | 2 |  | “01’ |
| 5 | Unit price | 10 |  | “0000001234” |
| 6 | Group number | 4 | Eng: Group number  Kor: Class of livestock | “0001” |
| 7 | Item code | 13 |  | “0000000000111” |
| 8 | Tare number | 4 |  | “0001” |
| 9 | Tare Weight | 10 |  | “0000000010” |
| 10 | Quantity | 6 |  | “000000” |
| 11 | Quantity PLU Symbol No. | 2 | If PLU type is 2 or 3 | “01” |
| 12 | Sale by date | 6 |  | “000010” |
| 13 | Sale by time | 6 |  | “000010” |
| 14 | Packed date | 6 |  | “000010” |
| 15 | Packed time | 6 |  | “000010” |
| 16 | Production date | 6 |  | “000015” |
| 17 | Ingredient No. | 6 |  | “000003” |
| 18 | Fixed price Flag | 2 |  | “00” |
| 19 | Traceability No. | 6 |  | “000001” |
| 20 | Origin No. | 6 |  | “000001” |
| 21 | Nutrition Factor No. | 4 |  | “0001” |
| 22 | Label number | 4 |  | “0001” |
| 23 | Additional Label No | 4 |  | “0002” |
| 24 | Barcode No 1 | 4 |  | “0000” |
| 25 | Barcode No 2 | 4 |  | “0000” |
| 26 | Label Message No. | 4 |  | “0003” |
| 27 | Special Price | 10 |  | “0000000900” |
| 28 | Fixed Weight | 10 |  | “0000001000” |
| 29 | Logo Image No | 2 |  | “00” |
| 30 | Print Packed Date Flag | 2 | 0: Reference  1: Don’t Print  2: Print | “01” |
| 31 | Print Packed Time Flag | 2 | 0: Reference  1: Don’t Print  2: Print  3: Specification | “01” |
| 32 | Print Sell by Date Flag | 2 | 0: Reference  1: Don’t Print  2: Print | “01” |
| 33 | Print Sell by Time Flag | 2 | 0: Reference  1: Don’t Print  2: Print  3: Specification | “01” |
| 34 | Reserved | 8 |  | “ ” |
| 35 | Name 1 Size | 2 | 0: Undefined  1: Small letter  2: Capital Letter  3: 1.5 Times | “01” |
| 36 | Name 2 Size | 2 | “01” |
| 37 | Name 3 Size | 2 | “01” |
| 38 | Name 4 Size | 2 | “01” |
| 39 | Name 5 Size | 2 | “01” |
| 40 | Name 6 Size | 2 | “01” |
| 41 | Name 7 Size | 2 | “01” |
| 42 | Name 8 Size | 2 | “01” |
| 43 | Name 1 | 55 | Fill the remaining bytes with spaces (Please Use up to 54 byte) | “Apple1 …” |
| 44 | Name 2 | 55 |  | “Name2 …” |
| 45 | Name 3 | 55 |  | “Name3 …” |
| 46 | Name 4 | 55 |  | “Name4 …” |
| 47 | Name 5 | 55 |  | “Name5 …” |
| 48 | Name 6 | 55 |  | “Name6 …” |
| 49 | Name 7 | 55 |  | “Name7 …” |
| 50 | Name 8 | 55 |  | “Name8 …” |
| 51 | Traceability use flag  (Korean only) | 2 | 0: Not use  1: Use | “01” |
| 52 | Direct Ingredient Text | 4096 |  | “Ingredient …” |
| 53 | Ex Barcode | 50 |  | “123456789012….” |
| 54 | Prefix | 10 |  | “01….” |
| 55 | TaxNo | 2 |  | “01” |
| 56 | %Tare | 5 |  | “00005” |
| 57 | Tare % Limit | 5 |  | “00020” |
| 58 | Cook By Date | 6 |  | “000010” |
| 59 | Bonus | 6 |  | “000005” |
| 60 | Reference Dept | 4 |  | “0002” |
| 61 | Reference PLU | 6 |  | “000007” |
| 62 | Coupled Dept | 4 |  | “0002” |
| 63 | Coupled PLU | 6 |  | “000007” |
| 64 | Link PLU Count | 2 |  | “02” |
| 65 | Link Dept 1 | 4 |  | “0002” |
| 66 | Link PLU 1 | 6 |  | “000007” |
| 67 | Link Dept 2 | 4 |  | “0003” |
| 68 | Link PLU 2 | 6 |  | “000008” |
| 69 | PLU Image file name | 50 |  | “apple.jpg……” |

* + 1. **Upload PLU Data**
       1. Upload all PLU Data format

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item No | Item Name | Length | Specification | Example |
| 1 | PLU Memory Number | 6 |  | “000001” |

In case you need to upload all PLU data, it means the order of storage in the memory of scale and it should be transmitted from one by one. When you last PLU data upload, you receive “Complete” flag via ‘RecvEventString’.

* + - 1. Upload one PLU Data format

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item No | Item Name | Length | Specification | Example |
| 1 | PLU Call Number | 6 |  | “000001” |
| 2 | Department Number | 4 |  | “0001” |

* + - 1. Receiving PLU data structure

1. It is received the sectional scale with a characteristic structure, which is similar to a PLU data transfer.
   * 1. **Delete one PLU Data format**

Same as transport and transmit formation, the delete formation is as follows.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item No | Item Name | Length | Specification | Example |
| 1 | PLU Call Number | 6 |  | “000001” |
| 2. | Department Number | 4 |  | “0001” |

* + 1. **Delete all PLU Data formation**

When all PLU data is deleted, you should transmit data with blank. (data=””)

* + 1. **Receiving delete all/one PLU data event**

If the delete command is executed, the result is received via ‘**OnRecvEventString’** event function. The received value is as follows

- 16: Now, delete in progress)

- 1001: Complete delection

Individual deleted PLU received 1001 only

* 1. **Key Data**

Send PLU call number and Function separately to transmit CL5000 Series Key. To complete the transmit; communication has to be made 2 times. (Send PLU call number first and then send Function)

Each Key transmits 6 digits

3. 2. 1. **Bench type – CL5000/CL5500**
4. **PLU call number(Data type : 77) :** each PLU call number on each key (When key’s Function is for PLU call number)

Each key can have 2 PLU call number (Total 48 key \* 2 = 96).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| number | name | digit | feature | Remark |
| 1 | Normal #1 key | 6 | PLU call number | “000001” |
| 2 | Normal #2 key | 6 |  | “000002” |
| …. | ….. |  |  |  |
| 48 | Normal #48 key | 6 |  | “000048” |
| 49 | Shift #1 key | 6 |  | “000049” |
| …. | ….. |  |  |  |
| 96 | Shift #48 key | 6 |  | “000096” |

1. **Function Key (Data type: 78):** features of each key (PLU call key, feature key etc.)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| number | name | digit | feature | Remark |
| 1 | Normal #1 key | 6 | 65535: PLU | “065535”” |
| 2 | Normal #2 key | 6 |  | “065535” |
| …. | ….. |  |  |  |
| 48 | Normal #48 key | 6 |  | “001793” |
| 49 | Shift #1 key | 6 |  | “065535” |
| …. | ….. |  |  |  |
| 96 | Shift #96 key | 6 |  | “001794” |

* + 1. **Bench type – CL5200**

1. **PLU call number(Data type : 187) :** each PLU call number on each key (When key’s Function is for PLU call number)

Each key can have 2 PLU call number (Total 54 key \* 2 = 108).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| number | name | digit | feature | Remark |
| 1 | Normal #1 key | 6 | PLU call number | “000001” |
| 2 | Normal #2 key | 6 |  | “000002” |
| …. | ….. |  |  |  |
| 54 | Normal #48 key | 6 |  | “000048” |
| 55 | Shift #1 key | 6 |  | “000049” |
| …. | ….. |  |  |  |
| 108 | Shift #48 key | 6 |  | “000096” |

1. **Function Key (Data type: 188):** features of each key (PLU call key, feature key etc.)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| number | name | digit | feature | Remark |
| 1 | Normal #1 key | 6 | 65535: PLU | “065535”” |
| 2 | Normal #2 key | 6 |  | “065535” |
| …. | ….. |  |  |  |
| 54 | Normal #48 key | 6 |  | “001793” |
| 55 | Shift #1 key | 6 |  | “065535” |
| …. | ….. |  |  |  |
| 108 | Shift #96 key | 6 |  | “001794” |

* + 1. **Pole type**

1. **PLU call number(Data type : 79) :** each PLU call number on each key (When key’s Function is for PLU call number)

Each key can have 2 PLU call number (total 72 key \* 2 = 144).

Use this type for CL7200 U type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| number | name | digit | feature | Remark |
| 1 | Normal #1 key | 6 | PLU call number | “000001” |
| 2 | Normal #2 key | 6 |  | “000002” |
| …. | ….. |  |  |  |
| 72 | Normal #72 key | 6 |  | “000072” |
| 73 | Shift #1 key | 6 |  | “000073” |
|  |  |  |  |  |
| 144 | Shift #72 key | 6 |  | “000144” |

1. **Function Key(Data type :80):** features of each key (PLU call key , feature key etc)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| number | name | digit | feature | Remark |
| 1 | Normal #1 key | 6 | 65535: PLU | “065535”” |
| 2 | Normal #2 key | 6 |  | “065535” |
| …. | ….. |  |  |  |
| 72 | Normal #72 key | 6 |  | “001793” |
| 73 | Shift #1 key | 6 |  | “065535” |
|  |  |  |  |  |
| 144 | Shift #72 key | 6 |  | “001794” |

1. **Design of Key(Data type :185):** CL7200-U type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 항목 번호 | 항목 이름 | 길이 | 속성 | 예시 |
| 1 | CategoryNo | 4 | Catetory 번호 | “0001” |
| 2 | SelfkeyType | 4 | 0을 설정 | “0000” |
| 3 | Key No. | 4 |  | “0001” |
| 4 | Font size | 4 |  | “0001” |
| 5 | Key size | 4 | Not used  Set 1 | “0001” |
| 6 | Font Color Code | 4 | 1:black, 2:red, 3:green, 4:blue, 5:yellow, 6:aqua, 7:pink, 8:white, 9:gray (default:1) | “0001” |
| 7 | Background Color Code | 4 | Not used  Set 1 | “0001” |
| 8 | Font Color RGB | 9 | Not used  Set 0 | “000000000” |
| 9 | Background Color RGB | 9 | Not used  Set 0 | “000000000” |

* + 1. **Hanging type**

1. **PLU call number(Data type : 81) :** each PLU call number on each key (When key’s Function is for PLU call number)

Each key can have 2 PLU call number (total 72 key \* 2 = 144).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| number | name | digit | feature | Remark |
| 1 | Normal #1 key | 6 | PLU call number | “000001” |
| 2 | Normal #2 key | 6 |  | “000002” |
| …. | ….. |  |  |  |
| 72 | Normal #72 key | 6 |  | “000072” |
| 73 | Shift #1 key | 6 |  | “000073” |
|  |  |  |  |  |
| 144 | Shift #72 key | 6 |  | “000144” |

1. **Function Key(Data type :82):** features of each key (PLU call key , feature key etc)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| number | name | digit | feature | Remark |
| 1 | Normal #1 key | 6 | 65535: PLU | “065535”” |
| 2 | Normal #2 key | 6 |  | “065535” |
| …. | ….. |  |  |  |
| 72 | Normal #72 key | 6 |  | “001793” |
| 73 | Shift #1 key | 6 |  | “065535” |
|  |  |  |  |  |
| 144 | Shift #72 key | 6 |  | “001794” |

* + 1. **Double type**

1. **PLU Call Number(Data Type: 171):** Call Number for Each Key assigned (In case that Key Function is for PLU Call function)

Each Key could be assigned for 2 Key function (72 key \* 2 = 144).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item No. | Item Name | Length | Attribute | Ex) |
| 1 | Normal No. 1 key | 6 | PLU Call Number | “000001” |
| 2 | Normal No. 2 key | 6 |  | “000002” |
| …. | ….. |  |  |  |
| 72 | Normal No. 72 key | 6 |  | “000072” |
| 73 | Shift No. 1 key | 6 |  | “000073” |
|  |  |  |  |  |
| 144 | Shift No. 72 key | 6 |  | “000144” |
| 145 | F1 key | 6 |  | “000145” |
| 146 | F2 key | 6 |  | “000146” |
| 147 | F3 key | 6 |  | “000147” |
| 148 | F4 key | 6 |  | “000148” |

1. **Function Key (Data Type: 172):** The function of each key (PLU call key, purpose key etc.)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item No. | Item Name | Length | Attribute | Ex) |
| 1 | Normal No. 1 key | 6 | 65535: PLU | “065535”” |
| 2 | Normal No. 2 key | 6 |  | “065535” |
| …. | ….. |  |  |  |
| 72 | Normal No. 72 key | 6 |  | “001793” |
| 73 | Shift No. 1 key | 6 |  | “065535” |
|  |  |  |  |  |
| 144 | Shift No. 72 key | 6 |  | “001794” |
| 145 | F1 key | 6 |  | “065535” |
| 146 | F2 key | 6 |  | “065535” |
| 147 | F3 key | 6 |  | “065535” |
| 148 | F4 key | 6 |  | “065535” |

* + 1. **CL7200 Self type**

1. **PLU Key(Data Type: 169):** Call Number for Each Key assigned (In case that Key Function is for PLU Call function)

a. 7x4 type : 28 Key per page. 7 page

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item No. | Item Name | Length | Attribute | Ex) |
| 1 | CategoryNo | 4 | Catetory Number | “0001” |
| 2 | SelfkeyType | 4 | 1:7x4  2:8x5  3:9x6 | “0001” |
| 3 | 1page No. 1 key | 6 | PLU Call Number | “000001” |
| 4 | 1page No. 2 key | 6 |  | “000002” |
| …. | ….. |  |  |  |
| 30 | 1page No. 28 key | 6 |  |  |
| 31 | 2page No. 1 key | 6 |  |  |
| 32 | 2page No. 2 key | 6 |  |  |
| …. | ….. |  |  |  |
| 58 | 2page No. 28 key | 6 |  |  |
| …. | ….. |  |  |  |
| 171 | 7page No. 1 key | ….. |  |  |
| 172 | 7page No. 1 key | 6 |  |  |
| …. | ….. |  |  |  |
| 199 | 7page No. 28 key | 6 |  |  |

b. 8x5 type : 40 Key per page. 5 page

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item No. | Item Name | Length | Attribute | Ex) |
| 1 | CategoryNo | 4 | Catetory Number | “0001” |
| 2 | SelfkeyType | 4 | 1:7x4  2:8x5  3:9x6 | “0002” |
| 3 | 1page No. 1 key | 6 | PLU Call Number | “000001” |
| 4 | 1page No. 2 key | 6 |  | “000002” |
| …. | ….. |  |  |  |
| 42 | 1page No. 40 key | 6 |  |  |
| 43 | 2page No. 1 key | 6 |  |  |
| 44 | 2page No. 2 key | 6 |  |  |
| …. | ….. |  |  |  |
| 82 | 2page No. 40 key | 6 |  |  |
| …. | ….. |  |  |  |
| 163 | 5page No. 1 key | ….. |  |  |
| 164 | 5page No. 2 key | 6 |  |  |
| …. | ….. |  |  |  |
| 202 | 5page No. 40 key | 6 |  |  |

c. 9x6 type : 54 Key per page. 3 page

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item No. | Item Name | Length | Attribute | Ex) |
| **1** | CategoryNo | 4 | Catetory Number | “0001” |
| 2 | SelfkeyType | 4 | 1:7x4  2:8x5  3:9x6 | “0003” |
| 3 | 1page No. 1 key | 6 | PLU Call Number | “000001” |
| 4 | 1page No. 2 key | 6 |  | “000002” |
| …. | ….. |  |  |  |
| 56 | 1page No. 54 key | 6 |  |  |
| 57 | 2page No. 1 key | 6 |  |  |
| 58 | 2page No. 2 key | 6 |  |  |
| …. | ….. |  |  |  |
| 110 | 2page No. 54 key | 6 |  |  |
| 111 | 3page No. 1 key | ….. |  |  |
| 112 | 3page No. 2 key | 6 |  |  |
| …. | ….. |  |  |  |
| 164 | 3page No. 54 key | 6 |  |  |

1. **Key design(Data Type:179): CL7200-Self Type**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item No. | Item Name | Length | Attribute | Ex) |
| 1 | CategoryNo | 4 | Category Number | “0001” |
| 2 | SelfkeyType | 4 | 1:7x4  2:8x5  3:9x6 | “0001” |
| 3 | Key No. | 4 |  | “0001” |
| 4 | Font size | 4 |  | “0001” |
| 5 | Key size | 4 | Not used  Set 1 | “0001” |
| 6 | Font Color Code | 4 | 1:black, 2:red, 3:green, 4:blue, 5:yellow, 6:aqua, 7:pink, 8:white, 9:gray  (default:1) | “0001” |
| 7 | Background Color Code | 4 | Not used  Set 1 | “0001” |
| 8 | Font Color RGB | 9 | Not used  Set 0 | “000000000” |
| 9 | Background Color RGB | 9 | Not used  Set 0 | “000000000” |

1. **Key Product No.(Data Type:181)**

a. 7x4 type : 28 Key per page. 7 page

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item No. | Item Name | Length | Attribute | Ex) |
| 1 | CategoryNo | 4 | Catetory Number | “0001” |
| 2 | SelfkeyType | 4 | 1:7x4  2:8x5  3:9x6 | “0001” |
| 3 | 1page No. 1 key | 6 | 1번 key의 Product No. | “000001” |
| 4 | 1page No. 2 key | 6 |  | “000002” |
| …. | ….. |  |  |  |
| 30 | 1page No. 28 key | 6 |  |  |
| 31 | 2page No. 1 key | 6 |  |  |
| 32 | 2page No. 2 key | 6 |  |  |
| …. | ….. |  |  |  |
| 58 | 2page No. 28 key | 6 |  |  |
| …. | ….. |  |  |  |
| 171 | 7page No. 1 key | ….. |  |  |
| 172 | 7page No. 1 key | 6 |  |  |
| …. | ….. |  |  |  |
| 199 | 7page No. 28 key | 6 |  |  |

b. 8x5 type : 40 Key per page. 5 page

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item No. | Item Name | Length | Attribute | Ex) |
| 1 | CategoryNo | 4 | Catetory Number | “0001” |
| 2 | SelfkeyType | 4 | 1:7x4  2:8x5  3:9x6 | “0002” |
| 3 | 1page No. 1 key | 6 | **Product No.** of the key | “000001” |
| 4 | 1page No. 2 key | 6 |  | “000002” |
| …. | ….. |  |  |  |
| 42 | 1page No. 40 key | 6 |  |  |
| 43 | 2page No. 1 key | 6 |  |  |
| 44 | 2page No. 2 key | 6 |  |  |
| …. | ….. |  |  |  |
| 82 | 2page No. 40 key | 6 |  |  |
| …. | ….. |  |  |  |
| 163 | 5page No. 1 key | ….. |  |  |
| 164 | 5page No. 2 key | 6 |  |  |
| …. | ….. |  |  |  |
| 202 | 5page No. 40 key | 6 |  |  |

c. 9x6 type : 54 Key per page. 3 page

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item No. | Item Name | Length | Attribute | Ex) |
| 1 | CategoryNo | 4 | Catetory 번호 | “0001” |
| 2 | SelfkeyType | 4 | 1:7x4  2:8x5  3:9x6 | “0003” |
| 3 | 1page No. 1 key | 6 | **Product No.** of the key | “000001” |
| 4 | 1page No. 2 key | 6 |  | “000002” |
| …. | ….. |  |  |  |
| 56 | 1page No. 54 key | 6 |  |  |
| 57 | 2page No. 1 key | 6 |  |  |
| 58 | 2page No. 2 key | 6 |  |  |
| …. | ….. |  |  |  |
| 110 | 2page No. 54 key | 6 |  |  |
| 111 | 3page No. 1 key | ….. |  |  |
| 112 | 3page No. 2 key | 6 |  |  |
| …. | ….. |  |  |  |
| 164 | 3page No. 54 key | 6 |  |  |

* 1. **Upload Scale version**
     1. **Transmission Data Format**

Transfer Space. (data=””)

* 1. **PLU Data Remaining Memory**

3. 4. 1. **Upload Data Format**

Transfer Space. (data=””)

* 1. **Sales Data Remaining Memory**
     1. **Upload Data Format**

Transfer Space. (data=””)

* 1. **Remote IP/PORT Setting**
     1. **Setting Data Format**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Article No. | Article Name | Length | Description | Example |
| 1 | Remote IP | 15 |  | “010.010.006.201” |
| 2 | Remote Port | 10 |  | “0000020304” |

* 1. **Label Message Data**

3. 7. 1. **Data Format**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Article No. | Article Name | Length | Description | Example |
| 1 | Label Message No. | 6 |  | “000001” |
| 2 | Message | 100 |  | “Message sample……” |

* 1. **Scroll Message Data**
     1. **Data Format**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Article No. | Article Name | Length | Description | Example |
| 1 | Message No. | 6 |  | “000001” |
| 2 | Effect | 2 |  | “01” |
| 3 | Message | 79 |  | “Message sample….” |
| 4 | Use Daily Flag | 2 |  | “01” |
| 5 | Week | 7 | Sun-Mon-Tue-Wed-Thu-Fri-Sat | “1011011 |
| 6 | Start Date | 8 | YYYYMMDD | “20120625” |
| 7 | End Date | 8 | YYYYMMDD | “20120626” |
| 8 | Start time | 6 | hhmmss | “090000” |
| 9 | End time | 6 | hhmmss | “205959” |
| 10 | Use message | 2 |  | “01” |
| 11 | Blink counts | 2 |  | “05” |
| 12 | Font size | 2 |  | “03” |
| 13 | Image ID | 2 |  | “01” |
| 14 | Speed | 2 |  | “05” |

* 1. **Store Information Data**
     1. **Data Format**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Article No. | Article Name | Length | Description | Example |
| 1 | Store No. | 6 |  | “000001” |
| 2 | Store Name | 100 |  | “Store Name……” |
| 3 | Telephone | 50 |  | “+99-10-123-4567.” |
| 4 | Description | 100 |  | “1…..” |

* 1. **User /Security**
     1. **Data Format**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Article No. | Article Name | Length | Description | Example |
| 1 | User No. | 6 |  | “000001” |
| 2 | Name | 100 |  | “User Name……” |
| 3 | Nickname | 50 |  | “Clerk 1…….” |
| 4 | Password | 50 |  | “1…..” |
| 5 | Level | 2 |  | “01” |

* 1. **Discount**

3. 11. 1. **Data Format**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Article No. | Article Name | Length | Description | Example |
| 1 | Discount No. | 6 |  | “000001” |
| 2 | Department No. | 4 |  | “0001” |
| 3 | PLU No. | 6 |  | “000001” |
| 4 | Discount type  (Refer. Chapter 4.13.2) | 6 | Discount Code  (Discount type) | “0001” |
| 5 | Target 1 | 6 |  | “000100” |
| 6 | Target 2 | 6 |  | “000200” |
| 7 | Value 1 | 10 |  | “0000001000” |
| 8 | Value 2 | 10 |  | “0000002000” |
| 9 | Start date | 8 | YYYYMMDD | “20120625” |
| 10 | End date | 8 | YYYYMMDD | “20120626” |
| 11 | Start time | 6 | hhmmss | “090000” |
| 12 | End time | 6 | hhmmss | “205959” |
| 13 | Week | 7 |  | 1000001 |
| 14 | FSP | 2 |  | “00” |

* + 1. **Discount Type**

|  |  |
| --- | --- |
| Discount Type | Discount code |
| Unselected  no Discount | 7423 |
| Unit price discount – weight | 7319 |
| Unit price discount - Count | 7323 |
| % Unit price discount - Weight | 7328 |
| % Unit price discount - Count | 7329 |
| Total price discount - Weight | 7318 |
| Total price discount - Count | 7322 |
| % Total price discount - Weight | 7321 |
| % Total price discount - Count | 7325 |
| Fixed price – Weight  Fixed price – Count | 7326 |
| Free Item – Weight  Free Item – Count | 7327 |
| Free Addition – Weight | 7320 |
| Free Addition – Count | 7324 |
| Total price by Total price – Weight  Total price by Total price – Count | 7313 |
| % Total price by Total price – Weight  % Total price by Total price – Count | 7317 |
| Unit price by Total price – Weight  Unit price by Total price – Count | 7314 |
| Extra by Total Price - Weight | 7315 |
| Extra by Total Price - Count | 7316 |

* 1. **Nutrition fact**
     1. **Data Format**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Article No. | Article Name | Length | Description | Example |
| 1 | Nutrition fact No. | 6 |  | “000001” |
| 2 | Description | 100 |  | “Nutrition 1……” |
| 3 | Serving Size(Text) | 50 |  | “Serving size…….” |
| 4 | Serving Per | 10 |  | “Serving Per” |
| 5 | Base Size | 4 |  | “0010” |
| 6 | Serving Size | 4 |  | “0100” |
| 7 | Serving Unit | 2 |  | “00” |
| 8 | Calories | 4 |  | “0010” |
| 9 | Calories From Fat | 4 |  | “0010” |
| 10 | Total Fat | 4 |  | “0010” |
| 11 | Saturated Fat | 4 |  | “0010” |
| 12 | Trans Fat | 4 |  | “0010” |
| 13 | Cholesterol | 4 |  | “0010” |
| 14 | Sodium | 4 |  | “0010” |
| 15 | Total Carbohydrate | 4 |  | “0010” |
| 16 | Dietary Fibers | 4 |  | “0010” |
| 17 | Sugars | 4 |  | “0010” |
| 18 | Protein | 4 |  | “0010” |
| 19 | Vitamin A | 4 |  | “0010” |
| 20 | Calcium | 4 |  | “0010” |
| 21 | Vitamin C | 4 |  | “0010” |
| 22 | Iron | 4 |  | “0010” |

* 1. **Ingredient**
     1. **Data Format**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Article No. | Article Name | Length | Description | Example |
| 1 | Ingredient No. | 6 |  | “000001” |
| 2 | Ingredient | 1300 |  | “Ingredient sample….” |

* 1. **Barcode**

6. 14. 1. **Data Format**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Article No. | Article Name | Length | Description | Example |
| 1 | Barcode No. | 6 |  | “000001” |
| 2 | Barcode Type | 2 |  | “01” |
| 3 | Format | 50 |  | “DDIIIIIWWWWWC” |
| 4 | Description | 100 |  | “Barcode 1 EAN13” |

\* Refer the below table when you make the Format. (Distinguish between uppercase and lowercase letters of symbol)

* + 1. **Format**

|  |  |  |
| --- | --- | --- |
| Article No. | Symbol | Description |
| 1 | I | Item code |
| 2 | N | PLU No |
| 3 | P | Price |
| 4 | V | Price check |
| 5 | U | Unit price |
| 6 | W | Weight |
| 7 | Q | Quantity |
| 8 | D | Department |
| 9 | G | Group |
| 10 | C | Total barcode check sum |
| 11 | K | Country code |
| 12 | A | Ticket counter |
| 13 | B | Scale Transaction counter |
| 14 | F | PLU prefix character |
| 15 | T | Text character |
| 16 | R | PLU transaction counter |
| 17 | L | Clerk number |
| 18 | % | Print next fixed character |
| 19 | O | Packed date |
| 20 | S | Tare value |
| 21 | v | Weight check |
| 22 | M | Scale ID |
| 23 | s | Slaughter House No(Korea) |
| 24 | u | Special Use(Korea) |
| 25 | p | Meat Part(Korea) |
| 26 | E | PLU Type |
| 27 | c | Check Digit(GTIN-14) |
| 28 | J | Sell by Date |
| 29 | j | Sell by Time |

# **Report**

2. 1. **Scale Report**
3. 1. 1. **Upload Command Data Format**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Article No. | Article Name | Length | Description | Example |
| 1 | Data No. | 6 |  | “000001” |
| 2 | Period Type | 2 | 0: X1  1: X2 | “00” |

* + 1. **Received Data Format**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Article No. | Article Name | Length | Description | Example |
| 1 | Data No. | 6 |  | “000001” |
| 2 | Period Type | 2 | 0: X1  1: X2 | “00” |
| 3 | Scale ID | 6 |  | “000001” |
| 4 | Reset Date | 8 | “YYYYMMDD” | “20120625” |
| 5 | Reset Time | 6 | “hhmmss” | “20120626” |
| 6 | Scale Mode | 6 | 1: Master  2: Slave  3: Network | “000001” |
| 7 | Tax ID | 6 |  |  |
| 8 | Tax Type | 2 | 0: Internal  1: External |  |
| 9 | Tax Rate | 6 |  |  |
| 10 | Tax | 6 |  |  |
| 11 | KCash | 6 |  |  |
| 12 | Amount | 6 |  |  |
| 13 | Amount Count | 6 |  |  |
| 14 | Amount Weight | 6 |  |  |
| 15 | Amount Quantity | 6 |  |  |
| 16 | Void | 6 |  |  |
| 17 | Void Count | 6 |  |  |
| 18 | Void Weight | 6 |  |  |
| 19 | Void Quantity | 6 |  |  |
| 20 | Repack | 6 |  |  |
| 21 | Repack Count | 6 |  |  |
| 22 | Repack Weight | 6 |  |  |
| 23 | Repack Quantity | 6 |  |  |
| 24 | Override | 6 |  |  |
| 25 | Override Count | 6 |  |  |
| 26 | Override Weight | 6 |  |  |
| 27 | Override Quantity | 6 |  |  |
| 28 | Discount | 6 |  |  |
| 29 | Discount count | 6 |  |  |
| 30 | Discount Weight | 6 |  |  |
| 31 | Discount Quantity | 6 |  |  |
| 32 | Prepack | 6 |  |  |
| 33 | Prepack Count | 6 |  |  |
| 34 | Prepack Weight | 6 |  |  |
| 35 | Prepack Quantity | 6 |  |  |
| 36 | Return | 6 |  |  |
| 37 | Return Count | 6 |  |  |
| 38 | Return Weight | 6 |  |  |
| 39 | Return Quantity | 6 |  |  |
| 40 | Change | 6 |  |  |
| 41 | Change Count | 6 |  |  |
| 42 | Change Weight | 6 |  |  |
| 43 | Change Quantity | 6 |  |  |
| 44 | Customer | 6 |  |  |
| 45 | Customer Count | 6 |  |  |
| 46 | Customer Weight | 6 |  |  |
| 47 | Customer Quantity | 6 |  |  |
| 48 | Pay Cash | 6 |  |  |
| 49 | Pay Cash Count | 6 |  |  |
| 50 | Pay Cash Weight | 6 |  |  |
| 51 | Pay Cash Quantity | 6 |  |  |
| 52 | Pay Pin | 6 |  |  |
| 53 | Pay Pin Count | 6 |  |  |
| 54 | Pay Pin Weight | 6 |  |  |
| 55 | Pay Pin Quantity | 6 |  |  |
| 56 | Pay Check | 6 |  |  |
| 57 | Pay Check Count | 6 |  |  |
| 58 | Pay Check Weight | 6 |  |  |
| 59 | Pay PCheck Quantity | 6 |  |  |
| 60 | Pay Credit | 6 |  |  |
| 61 | Pay Credit Count | 6 |  |  |
| 62 | Pay Credit Weight | 6 |  |  |
| 63 | Pay Credit Quantity | 6 |  |  |
| 64 | Pay Note | 6 |  |  |
| 65 | Pay Note Count | 6 |  |  |
| 66 | Pay Note Weight | 6 |  |  |
| 67 | Pay Note Quantity | 6 |  |  |
| 68 | Pay Coupon | 6 |  |  |
| 69 | Pay Coupon count | 6 |  |  |
| 70 | Pay Coupon Weight | 6 |  |  |
| 71 | Pay Coupon Quantity | 6 |  |  |
| 72 | Pay Bonus | 6 |  |  |
| 73 | Pay Bonus Count | 6 |  |  |
| 74 | Pay Bonus Weight | 6 |  |  |
| 75 | Pay Bonus Quantity | 6 |  |  |
| 76 | Pay Credit Sale | 6 |  |  |
| 77 | Pay Credit Sale Count | 6 |  |  |
| 78 | Pay Credit Sale Weight | 6 |  |  |
| 79 | Pay Credit Sale Quantity | 6 |  |  |
| 80 | Cd Open | 6 |  |  |
| 81 | Name | 100 |  |  |

* 1. **Goods Report**
  2. 1. **Upload Command Data Format**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Article No. | Article Name | Length | Description | Example |
| 1 | Data No. | 6 |  | “000001” |
| 2 | Period Type | 2 | 0: X1  1: X2 | “00” |

* + 1. **Received Data Format**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Article No. | Article Name | Length | Description | Example |
| 1 | Data No. | 6 |  |  |
| 2 | Period Type | 2 | 0: X1  1: X2 |  |
| 3 | Scale ID | 6 |  | “000001” |
| 4 | Reset Date | 8 | “YYYYMMDD” | “20120625” |
| 5 | Reset Time | 6 | “hhmmss” | “20120626” |
| 6 | Department No. | 4 |  |  |
| 7 | PLU No. | 6 |  |  |
| 8 | Type | 2 |  |  |
| 9 | Total Count | 6 |  |  |
| 10 | Label Price | 6 |  |  |
| 11 | Label Count | 6 |  |  |
| 12 | Label Weight | 6 |  |  |
| 13 | Label Quantity | 6 |  |  |
| 14 | Prepack Price | 6 |  |  |
| 15 | Prepack Count | 6 |  |  |
| 16 | Prepack Weight | 6 |  |  |
| 17 | Prepack Quantity | 6 |  |  |
| 18 | Sale Price | 6 |  |  |
| 19 | Sale Count | 6 |  |  |
| 20 | Sale Weight | 6 |  |  |
| 21 | Sale Quantity | 6 |  |  |
| 22 | Tax | 6 |  |  |
| 23 | Name | 100 |  |  |

* 1. **Department Report**
     1. **Upload Command Data Format**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Article No. | Article Name | Length | Description | Example |
| 1 | Data No. | 6 |  | “000001” |
| 2 | Period Type | 2 | 0: X1  1: X2 | “00” |

* + 1. **Received Data Format**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Article No. | Article Name | Length | Description | Example |
| 1 | Data No. | 6 |  |  |
| 2 | Period Type | 2 | 0: X1  1: X2 |  |
| 3 | Scale ID | 6 |  | “000001” |
| 4 | Reset Date | 8 | “YYYYMMDD” | “20120625” |
| 5 | Reset Time | 6 | “hhmmss” | “20120626” |
| 6 | Department No. | 4 |  |  |
| 7 | Total | 6 |  |  |
| 8 | Total Count | 6 |  |  |
| 9 | Total Weight | 6 |  |  |
| 10 | Total Quantity | 6 |  |  |
| 11 | Prepack Price | 6 |  |  |
| 12 | Prepack Count | 6 |  |  |
| 13 | Prepack Weight | 6 |  |  |
| 14 | Prepack Quantity | 6 |  |  |
| 15 | Return | 6 |  |  |
| 16 | Return Count | 6 |  |  |
| 17 | Return Weight | 6 |  |  |
| 18 | Return Quantity | 6 |  |  |
| 19 | Name | 100 |  |  |

* 1. **Group Report**
     1. **Upload Command Data Format**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Article No. | Article Name | Length | Description | Example |
| 1 | Data No. | 6 |  | “000001” |
| 2 | Period Type | 2 | 0: X1  1: X2 | “00” |

* + 1. **Received Data Format**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Article No. | Article Name | Length | Description | Example |
| 1 | Data No. | 6 |  |  |
| 2 | Period Type | 2 | 0: X1  1: X2 |  |
| 3 | Scale ID | 6 |  | “000001” |
| 4 | Reset Date | 8 | “YYYYMMDD” | “20120625” |
| 5 | Reset Time | 6 | “hhmmss” | “20120626” |
| 6 | Group No. | 4 | 1: Master  2: Slave  3: Network  4: Local |  |
| 7 | Total | 6 |  |  |
| 8 | Total Count | 6 |  |  |
| 9 | Total Weight | 6 |  |  |
| 10 | Total Quantity | 6 |  |  |
| 11 | Prepack Price | 6 |  |  |
| 12 | Prepack Count | 6 |  |  |
| 13 | Prepack Weight | 6 |  |  |
| 14 | Prepack Quantity | 6 |  |  |
| 15 | Name | 100 |  |  |

* 1. **Time Report**
     1. **Upload Command Data Format**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Article No. | Article Name | Length | Description | Example |
| 1 | Data No. | 6 |  | “000001” |
| 2 | Period Type | 2 | 0: X1  1: X2 | “00” |

* + 1. **Received Data Format**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Article No. | Article Name | Length | Description | Example |
| 1 | Data No. | 6 |  |  |
| 2 | Period Type | 2 | 0: X1  1: X2 |  |
| 3 | Scale ID | 6 |  |  |
| 4 | Reset Date | 8 |  |  |
| 5 | Reset Time | 6 |  |  |
| 6 | Hour | 2 |  |  |
| 7 | Total | 6 |  |  |
| 8 | Total Count | 6 |  |  |
| 9 | Total Weight | 6 |  |  |
| 10 | Total Quantity | 6 |  |  |
| 11 | Prepack Price | 6 |  |  |
| 12 | Prepack Count | 6 |  |  |
| 13 | Prepack Weight | 6 |  |  |
| 14 | Prepack Quantity | 6 |  |  |
| 15 | Name | 100 |  |  |

* 1. **User Report**
     1. **Upload Command Data Format**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Article No. | Article Name | Length | Description | Example |
| 1 | Data No. | 6 |  | “000001” |
| 2 | Period Type | 2 | 0: X1  1: X2 | “00” |

* + 1. **Received Data Format**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Article No. | Article Name | Length | Description | Example |
| 1 | Data No. | 6 |  | “000001” |
| 2 | Period Type | 2 | 0: X1  1: X2 | “00” |
| 3 | Scale ID | 6 |  | “000001” |
| 4 | Reset Date | 8 | “YYYYMMDD” | “20120625” |
| 5 | Reset Time | 6 | “hhmmss” | “20120626” |
| 6 | Clerk No. | 4 |  |  |
| 7 | KCash | 6 |  |  |
| 8 | Amount | 6 |  |  |
| 9 | Amount Count | 6 |  |  |
| 10 | Amount Weight | 6 |  |  |
| 11 | Amount Quantity | 6 |  |  |
| 12 | Void | 6 |  |  |
| 13 | Void Count | 6 |  |  |
| 14 | Void Weight | 6 |  |  |
| 15 | Void Quantity | 6 |  |  |
| 16 | Repack | 6 |  |  |
| 17 | Repack Count | 6 |  |  |
| 18 | Repack Weight | 6 |  |  |
| 19 | Repack Quantity | 6 |  |  |
| 20 | Override | 6 |  |  |
| 21 | Override Count | 6 |  |  |
| 22 | Override Weight | 6 |  |  |
| 23 | Override Quantity | 6 |  |  |
| 24 | Discount | 6 |  |  |
| 25 | Discount count | 6 |  |  |
| 26 | Discount Weight | 6 |  |  |
| 27 | Discount Quantity | 6 |  |  |
| 28 | Prepack | 6 |  |  |
| 29 | Prepack Count | 6 |  |  |
| 30 | Prepack Weight | 6 |  |  |
| 31 | Prepack Quantity | 6 |  |  |
| 32 | Return | 6 |  |  |
| 33 | Return Count | 6 |  |  |
| 34 | Return Weight | 6 |  |  |
| 35 | Return Quantity | 6 |  |  |
| 36 | Change | 6 |  |  |
| 37 | Change Count | 6 |  |  |
| 38 | Change Weight | 6 |  |  |
| 39 | Change Quantity | 6 |  |  |
| 40 | Negative | 6 |  |  |
| 41 | Negative Count | 6 |  |  |
| 42 | Negative Weight | 6 |  |  |
| 43 | Negative Quantity | 6 |  |  |
| 44 | Pay Cash | 6 |  |  |
| 45 | Pay Cash Count | 6 |  |  |
| 46 | Pay Cash Weight | 6 |  |  |
| 47 | Pay Cash Quantity | 6 |  |  |
| 48 | Pay Pin | 6 |  |  |
| 49 | Pay Pin Count | 6 |  |  |
| 50 | Pay Pin Weight | 6 |  |  |
| 51 | Pay Pin Quantity | 6 |  |  |
| 52 | Pay Check | 6 |  |  |
| 53 | Pay Check Count | 6 |  |  |
| 54 | Pay Check Weight | 6 |  |  |
| 55 | Pay PCheck Quantity | 6 |  |  |
| 56 | Pay Credit | 6 |  |  |
| 57 | Pay Credit Count | 6 |  |  |
| 58 | Pay Credit Weight | 6 |  |  |
| 59 | Pay Credit Quantity | 6 |  |  |
| 60 | Pay Note | 6 |  |  |
| 61 | Pay Note Count | 6 |  |  |
| 62 | Pay Note Weight | 6 |  |  |
| 63 | Pay Note Quantity | 6 |  |  |
| 64 | Pay Coupon | 6 |  |  |
| 65 | Pay Coupon count | 6 |  |  |
| 66 | Pay Coupon Weight | 6 |  |  |
| 67 | Pay Coupon Quantity | 6 |  |  |
| 68 | Pay Bonus | 6 |  |  |
| 69 | Pay Bonus Count | 6 |  |  |
| 70 | Pay Bonus Weight | 6 |  |  |
| 71 | Pay Bonus Quantity | 6 |  |  |
| 72 | Pay Credit Sale | 6 |  |  |
| 73 | Pay Credit Sale Count | 6 |  |  |
| 74 | Pay Credit Sale Weight | 6 |  |  |
| 75 | Pay Credit Sale Quantity | 6 |  |  |
| 76 | Cd Open | 6 |  |  |
| 77 | Name | 100 |  |  |

* 1. **Tax Report**
     1. **Upload Command Data Format**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Article No. | Article Name | Length | Description | Example |
| 1 | Data No. | 6 |  | “000001” |
| 2 | Period Type | 2 | 0: X1  1: X2 | “00” |

* + 1. **Received Data Format**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Article No. | Article Name | Length | Description | Example |
| 1 | Data No. | 6 |  |  |
| 2 | Period Type | 2 | 0: X1  1: X2 |  |
| 3 | Scale ID | 6 |  | “000001” |
| 4 | Reset Date | 8 | “YYYYMMDD” | “20120625” |
| 5 | Reset Time | 6 | “hhmmss” | “20120626” |
| 6 | Tax1 type | 2 | 0: Internal  1: External |  |
| 7 | Tax1 rate | 6 |  |  |
| 8 | Tax1 Price | 10 |  |  |
| 9 | Tax2 type | 2 | 0: Internal  1: External |  |
| 10 | Tax2 rate | 6 |  |  |
| 11 | Tax2 Price | 10 |  |  |
| 12 | Tax3 type | 2 | 0: Internal  1: External |  |
| 13 | Tax3 rate | 6 |  |  |
| 14 | Tax3 Price | 10 |  |  |
| 15 | Tax4 type | 2 | 0: Internal  1: External |  |
| 16 | Tax4 rate | 6 |  |  |
| 17 | Tax4 Price | 10 |  |  |
| 18 | Tax5 type | 2 | 0: Internal  1: External |  |
| 19 | Tax5 rate | 6 |  |  |
| 20 | Tax5 Price | 10 |  |  |
| 21 | Tax6 type | 2 | 0: Internal  1: External |  |
| 22 | Tax6 rate | 6 |  |  |
| 23 | Tax6 Price | 10 |  |  |
| 24 | Tax7 type | 2 | 0: Internal  1: External |  |
| 25 | Tax7 rate | 6 |  |  |
| 26 | Tax7 Price | 10 |  |  |
| 27 | Tax8 type | 2 | 0: Internal  1: External |  |
| 28 | Tax8 rate | 6 |  |  |
| 29 | Tax8 Price | 10 |  |  |
| 30 | Tax9 type | 2 | 0: Internal  1: External |  |
| 31 | Tax9 rate | 6 |  |  |
| 32 | Tax9 Price | 10 |  |  |
| 33 | Tax10 type | 2 | 0: Internal  1: External |  |
| 34 | Tax10 rate | 6 |  |  |
| 35 | Tax10 Price | 10 |  |  |
| 36 | Name | 100 |  |  |

* + 1. **Delete Report Data Format**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Article No. | Article Name | Length | Description | Example |
| 1 | Period Type | 2 | 0: X1  1: X2 2: X1 and X2 | “00” |