

JSON Specifications Sheet

M00141203
Rev.D

JSON Specifications

This explains the JSON format specifications used in the following APIs for Epson ePOS SDK for Android and Epson ePOS SDK for iOS.

- setPrinterSettingEx
- setGetPrinterSettingExListener/setGetPrinterSettingExDelegate

RW: Read Write (settings can be acquired and changed)
RO: Read Only (settings can only be acquired)

| Key Info | | | | Value Info | | | Remarks |
|-------------|---------|------------------|---|--|-----------|---|---------|
| 1 | 2 | 3 | 4 | Description | Attribute | List and explanation of set values | |
| FormatName | | | | Format name | RW | TM genre printer information format "TM-Form" | |
| Rev | | | | Information format management number (data structure changes managed as Rev) | RW | TM genre printer information format revision number "1" | |
| PrinterSpec | | | | Printer specifications information | | | |
| | Product | | | Product information | | | |
| | | SerialNo | | Serial number | RO | Serial number (values that can be acquired with the GS I 68 command) | |
| | Spec | | | Specifications information | | | |
| | | Language | | Multilingual font name | RO | Currently selected multilingual font name (Values that can be acquired with the GS I 69 command) | |
| | | PaperWidth | | Paper width (mm) | RO | "80": 80 mm Paper width setting | |
| | | | | | | "58": 58 mm Paper width setting | |
| | | | | | | "40": 40 mm Paper width setting | |
| | | HeadDpi | | Head specifications (dpi) | RO | Mechanical resolution of the thermal print head | |
| Setting | | | | Setting | | | |
| | AutoCut | | | Cutter-related | | | |
| | | CutAfterPaperset | | Paper automatic cut at cover close (GS (E fn = 5, a = 100) | RW | "Invalid": Does not cut, "Valid": Cuts | |
| | Buzzer | | | Buzzer function | | | |
| | | Select | | Buzzer functionSelection of valid buzzer (GS (E fn = 5, a = 119) | RW | "Invalid": Invalid, "Valid": Valid | |
| | Command | | | Command-related functions | | | |
| | | AutoCR | | Automatic line feeding (MSW1-5 or DSW1-1) Cannot be changed if parallel interface is installed. [Related items] PrinterSpec/Interface/UIB | RW | "Invalid": Normally disabled (MSW1-5 OFF) "Valid": Normally enabled (MSW1-5 ON) | |

| Key Info | | | | Value Info | | | Remarks |
|----------|-----------|---------|------------------|--|-----------|---|---------|
| 1 | 2 | 3 | 4 | Description | Attribute | List and explanation of set values | |
| | Interface | | | Interface-related settings | | | |
| | | USB | | USB-related functions (GS (E fn=15) | | | |
| | | | NetworkTethering | Enable/disable the network tethering function. | RW | Disable: disable iOS: Settings for iOS Android: Settings for Android Windows: Settings for Windows | |
| | | USB2LAN | | | | | |
| | | | Active | Enable/disable USB2LAN | | "OFF": USB2LAN disable "ON": USB2LAN enable | |
| | Print | | | Print-related settings | | | |
| | | Density | | Print density (GS (E fn = 5, a = 5) | RW | "DIPSW": In accordance with DIP switch settings | |
| | | | | | | "70%": 70% | |
| | | | | | | "75%": 75% | |
| | | | | | | "80%": 80% | |
| | | | | | | "85%": 85% | |
| | | | | | | "90%": 90% | |
| | | | | | | "95%": 95% | |
| | | | | | | "100%": 100% | |
| | | | | | | "105%": 105% | |
| | | | | | | "110%": 110% | |
| | | | | | | "115%": 115% | |
| | | | | | | "120%": 120% | |
| | | | | | | "125%": 125% | |
| | | | | | | "130%": 130% | |

| Key Info | | | | Value Info | | Remarks |
|----------|---|---------------------|---|---|-----------|---|
| 1 | 2 | 3 | 4 | Description | Attribute | |
| | | Speed | | Print speed (GS (E fn = 5, a = 6)) | RW | "Level1": Print speed level 1 "Level2": Print speed level 2 "Level3": Print speed level 3 "Level4": Print speed level 4 "Level5": Print speed level 5 "Level6": Print speed level 6 "Level7": Print speed level 7 "Level8": Print speed level 8 "Level9": Print speed level 9 "Level10": Print speed level 10 "Level11": Print speed level 11 "Level12": Print speed level 12 "Level13": Print speed level 13 "Level14": Print speed level 14 "Level15": Print speed level 15 "Level16": Print speed level 16 "Level17": Print speed level 17 |
| | | ColumnEmulation | | Number of columns emulation (GS (E fn = 5, a = 11)) | RW | "Standard": Standard column mode "48/36": 48/36 column mode "48¥¥/36": 48/36 column mode (with ¥ symbol) "46/32": 46/32 column mode "46¥¥/32": 46/32 column mode (with ¥ symbol, supports escape character) "42/42": 42 column mode "42/32": 42/32 column mode "42¥¥/32": 42/32 column mode (with ¥ symbol, supports escape character) "48": 48 column mode "42": 42 column mode |
| | | RollPaperWidth | | Paper width (GS (E fn = 5, a = 3)) | RW | "58mm": 58 mm "80mm": 80 mm |
| | | NearEndSetting | | NearEnd sensor enabled/disabled (MemSW5-6) | RW | "Disable": Disabled, "Enable": Enabled |
| | | PaperWidthWithGuide | | Paper width when a paper guide has been attached (MSW6-8) | RW | "40mm": Switching between 40 mm/80 mm "58mm": Switching between 58 mm/80 mm |

| Key Info | | | | Value Info | | | Remarks |
|-------------|-------------|------------------------|----------------------|---|-----------|---|---------|
| 1 | 2 | 3 | 4 | Description | Attribute | List and explanation of set values | |
| | WifiCfg | | | | | | |
| | | Ssid | | SSID An error occurs if the entered value does not conform to Ssid_LeNot Supportpec and Ssid_AsciiSpec. | RW | | |
| | | EncType_Select | | Wireless communication data encryption system | RW | "WPA/WPA2-PSK" | |
| | | | | | | "WPA3-SAE(AES)" | |
| | | WpaPsk | | WPA/WPA2-PSK settings Used if the EncryptionType is "WPA-PSK (AES)" or "WPA2-PSK". | | | |
| | | | Key | Pre-shared key | RW | | |
| | | WlanChip | | Information concerning the wireless chip | | | |
| | | | ChipMode_Select | Indicates the wireless chip used. | RW | [Selected value] "Built-In": Built-in chip used "Option unit": Wlan option unit (OTWL-06) used | |
| | TcpIpCfg | | | TCP/IP setting | | | |
| | | IpV4 | | IPV4 setting | | | |
| | | | Acquiring_Select | Switch the IP address acquisition method. | RW | "Auto", "Manual" | |
| | | | Ip | IPV4 address | RW | | |
| | | | Sm | Sub-net mask | RW | | |
| | | | Gw | Default gateway | RW | | |
| | | | IpAdlessPrint_Select | Enable/disable printing of the determined IP address when Acquiring_Select is Auto | RW | "Disable": disable, "Enable": enable | |
| Maintenance | | | | | | | |
| | ThermalHead | | | | | | |
| | | NumberOfWarningDot | | Returns the number of dots exceeding the Warning threshold value (dots that may soon be cut off) | RO | "-1": Failed to detect missing dots "0": No dots exceeding the Warning threshold value "1" to "512": Number of dots exceeding the Warning threshold value | |
| | | PositionOfWarningDot | | Position of the dots exceeding the Warning threshold value The position of the left-end dots on the print surface is treated as 1, and this returns all the positions of the dots exceeding the Warning threshold value. | RO | "" (blank character): Failed to detect missing dots. Alternatively, there are no dots exceeding the Warning threshold value. "Hexadecimal string": Dots exceeding the Warning threshold value. | |
| | | NumberOfBrokenDot | | Returns the number of dots exceeding the Fault threshold value (broken dots). | RO | "-1": Failed to detect missing dots "0": No dots exceeding the Fault threshold value "1" to "512": Number of dots exceeding the Fault threshold value | |
| | | PositionOfBrokenDot | | Position of the dots exceeding the Fault threshold value The position of the left-end dots on the print surface is treated as 1, and this returns all the positions of the dots exceeding the Fault threshold value. | RO | "" (blank character): Failed to detect missing dots. Alternatively, there are no dots exceeding the Fault threshold value. "Hexadecimal string": Dots exceeding the Fault threshold value. | |
| | Counter | | | Maintenance counter (total) | | | |
| | | RollPaper_FeedLines | | Number of paper feed lines [lines] | RO | "" to "": 4-byte decimal maximum value | |
| | | RollPaper_CutterDrives | | Auto cutter drive count [times] | RO | "" to "": 4-byte decimal maximum value | |

jsonString Acquisition Example

```
{
  "PrinterSpec": {
    "Product": {
      "SerialNo": "ABCD000002"
    },
    "Spec": {
      "Language": "KANJI JAPANESE"
    }
  },
  "Setting": {
    "AutoCut": {
      "CutAfterPaperset": "Invalid"
    },
    "Buzzer": {
      "Select": "Valid"
    },
    "Command": {
      "AutoCR": "Invalid"
    },
    "Print": {
      "Density": "100%",
      "Speed": "Level13",
      "ColumnEmulation": "Standard",
      "RollPaperWidth": "80mm",
      "NearEndSetting": "Disable"
    }
  },
  "Maintenance": {
    "ThermalHead": {
      "NumberOfWarningDot": "0",
      "PositionOfWarningDot": "",
      "NumberOfBrokenDot": "0",
      "PositionOfBrokenDot": ""
    },
    "Counter": {
      "RollPaper_FeedLines": "53408",
      "RollPaper_CutterDrives": "5647"
    }
  },
  "FormatName": "TM-Form",
  "Rev": "1"
}
```

Corresponding Models

| Key Info | | | | Value | EU-m30 | TM-m30II | TM-m30II-H | TM-L100 | TM-P20II | TM-P80II |
|-------------|-----------|------------------|------------------|--|--------|----------|------------|---------|----------|----------|
| 1 | 2 | 3 | 4 | | | | | | | |
| FormatName | | | | "TM-Form" | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Rev | | | | "1" | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| PrinterSpec | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Product | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | SerialNo | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Spec | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | Language | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | PaperWidth | | "80" | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "58" | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "40" | - | - | - | ✓ | - | - |
| | | HeadDpi | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Setting | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | AutoCut | | | | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| | | CutAfterPaperset | | "Invalid" , "Valid" | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| | Buzzer | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | Select | | "Invalid" , "Valid" | ✓ | ✓ | ✓ | ✓ | - | - |
| | Command | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | AutoCR | | "Invalid" , "Valid" | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Interface | | | | - | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | USB | | | - | - | - | - | ✓ | ✓ |
| | | | NetworkTethering | "Disable", "iOS", "Android", "Windows" | - | - | - | - | - | - |
| | | USB2LAN | | | - | ✓ | ✓ | ✓ | - | - |
| | | | Active | "OFF", "ON" | - | ✓ | ✓ | ✓ | - | - |
| | Print | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

*: Wi-Fi model only.

| Key Info | | | | Value | EU-m30 | TM-m30II | TM-m30II-H | TM-L100 | TM-P20II | TM-P80II |
|----------|---|---------|---|-----------|--------|----------|------------|---------|----------|----------|
| 1 | 2 | 3 | 4 | | | | | | | |
| | | Density | | "DIPSW" | - | - | - | - | - | - |
| | | | | "70%" | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "75%" | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "80%" | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "85%" | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "90%" | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "95%" | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "100%" | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "105%" | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "110%" | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "115%" | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "120%" | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "125%" | ✓ | ✓ | - | ✓ | ✓ | ✓ |
| | | | | "130%" | ✓ | ✓ | - | ✓ | ✓ | ✓ |
| | | Speed | | "Level1" | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "Level2" | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "Level3" | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "Level4" | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "Level5" | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "Level6" | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "Level7" | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "Level8" | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "Level9" | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "Level10" | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "Level11" | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "Level12" | ✓ | ✓ | ✓ | - | ✓ | ✓ |
| | | | | "Level13" | ✓ | ✓ | ✓ | - | ✓ | ✓ |
| | | | | "Level14" | ✓ | - | - | - | ✓ | ✓ |
| | | | | "Level15" | - | - | - | - | ✓ | ✓ |
| | | | | "Level16" | - | - | - | - | ✓ | ✓ |
| | | | | "Level17" | - | - | - | - | ✓ | ✓ |

*: Wi-Fi model only.

| Key Info | | | | Value | EU-m30 | TM-m30II | TM-m30II-H | TM-L100 | TM-P20II | TM-P80II |
|-------------|---|-----------------------|---|----------------------------|--------|----------|------------|---------|----------|----------|
| 1 | 2 | 3 | 4 | | | | | | | |
| | | ColumnEmulation | | "Standard" | ✓ | ✓ | ✓ | ✓ | - | ✓ |
| | | | | "48/36" , "48¥¥/36" | - | - | - | - | - | ✓ |
| | | | | "46/32" , "46¥¥/32" | - | - | - | - | - | ✓ |
| | | | | "42/42" | - | - | - | - | - | ✓ |
| | | | | "42/32" , "42¥¥/32" | - | ✓ | ✓ | - | - | ✓ |
| | | | | "48" | - | - | - | ✓ | - | ✓ |
| | | | | "42" | - | - | - | ✓ | - | ✓ |
| | | | | | | | | | | |
| | | RollPaperWidth | | "58mm" | ✓ | ✓ | ✓ | - | - | - |
| | | | | "80mm" | ✓ | ✓ | ✓ | - | - | - |
| | | NearEndSetting | | "Disable" , "Enable" | ✓ | ✓ | ✓ | - | - | - |
| | | PaperWidthWithGuide | | "40mm" | - | - | - | ✓ | - | - |
| | | | | "58mm" | - | - | - | ✓ | - | - |
| | | WifiCfg | | | - | - | - | - | ✓* | ✓* |
| | | Ssid | | | - | - | - | - | ✓* | ✓* |
| | | EncType_Select | | "WPA/WPA2-PSK" | - | - | - | - | ✓* | ✓* |
| | | | | "WPA3-SAE(AES)" | - | - | - | - | ✓* | ✓* |
| | | WpaPsk | | | - | - | - | - | ✓* | ✓* |
| | | Key | | | - | - | - | - | ✓* | ✓* |
| | | WlanChip | | | - | - | - | - | ✓* | ✓* |
| | | ChipMode_Select | | "Built-In" , "Option unit" | - | - | - | - | ✓* | ✓* |
| | | TcpIpcfg | | | - | ✓ | ✓ | ✓ | ✓* | ✓* |
| | | IpV4 | | | - | ✓ | ✓ | ✓ | ✓* | ✓* |
| | | Acquiring_Select | | "Auto" , "Manual" | - | ✓ | ✓ | ✓ | ✓* | ✓* |
| | | Ip | | | - | ✓ | ✓ | ✓ | ✓* | ✓* |
| | | Sm | | | - | ✓ | ✓ | ✓ | ✓* | ✓* |
| | | Gw | | | - | ✓ | ✓ | ✓ | ✓* | ✓* |
| | | IpAddressPrint_Select | | "Disable" , "Enable" | - | ✓ | ✓ | ✓ | ✓* | ✓* |
| Maintenance | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | ThermalHead | | | - | ✓ | ✓ | ✓ | - | ✓* |
| | | NumberOfWarningDot | | | - | - | ✓ | - | - | ✓* |
| | | PositionOfWarningDot | | | - | - | ✓ | - | - | ✓* |
| | | NumberOfBrokenDot | | | - | - | ✓ | - | - | ✓* |

*: Wi-Fi model only.

| Key Info | | | | Value | EU-m30 | TM-m30II | TM-m30II-H | TM-L100 | TM-P20II | TM-P80II |
|----------|---------|------------------------|---|-------|--------|----------|------------|---------|----------|----------|
| 1 | 2 | 3 | 4 | | | | | | | |
| | | PositionOfBrokenDot | | | - | - | ✓ | - | - | ✓* |
| | Counter | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | RollPaper_FeedLines | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | RollPaper_CutterDrives | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

*: Wi-Fi model only.

JSON 仕様シート

JSON 仕様

Epson ePOS SDK for Android と Epson ePOS SDK for iOS の下記 API で使用する JSON フォーマットの仕様を解説します。

- setPrinterSettingEx
- setGetPrinterSettingExListener/setGetPrinterSettingExDelegate

RW: Read Write(設定の取得及び変更可能)

RO: Read Only(設定の取得のみ可能)

| Key Info | | | | Value Info | | | 備考 |
|-------------|---------|------------------|---|---|----|---|----|
| 1 | 2 | 3 | 4 | 説明 | 属性 | 設定値の一覧、説明 | |
| FormatName | | | | フォーマット名 | RW | TM ジャンルのプリンター情報フォーマット "TM-Form" | |
| Rev | | | | 情報フォーマットの管理番号（データ構造変更を Rev で管理する） | RW | TM ジャンルのプリンター情報フォーマットのリビジョン番号 "1" | |
| PrinterSpec | | | | プリンター仕様情報 | | | |
| | Product | | | 製品情報 | | | |
| | | SerialNo | | シリアル番号 | RO | シリアル番号（GS I 68 コマンドで取得できる値） | |
| | Spec | | | 仕様情報 | | | |
| | | Language | | 多国語フォント名 | RO | 現在選択されている多国語フォント名（GS I 69 コマンドで取得できる値） | |
| | | PaperWidth | | 用紙幅 (mm) | RO | "80" : 80mm 用紙幅設定 | |
| | | | | | | "58" : 58mm 用紙幅設定 | |
| | | | | | | "40" : 40mm 用紙幅設定 | |
| | | HeadDpi | | ヘッド仕様 (dpi) | RO | サーマルプリントヘッドのメカ解像度 | |
| Setting | | | | 設定 | | | |
| | AutoCut | | | カッター関連 | | | |
| | | CutAfterPaperset | | カバークローズ時の用紙自動カット (GS (E fn=5 a=100) | RW | "Invalid": カットしない、"Valid": カットする | |
| | Buzzer | | | Buzzer 機能 | | | |
| | | Select | | ブザー機能 有効なブザーの選択 (GS (E fn=5 a=119) | RW | "Invalid": 無効、"Valid": 有効 | |
| | Command | | | コマンド関連機能 | | | |
| | | AutoCR | | 自動改行 (MSW1-5 or DSW1-1) Parallel インターフェイスを搭載している場合、変更不可。 Primula-iHub では、DSW1-1。 【関連項目】 PrinterSpec/Interface/UIB | RW | "Invalid": 常時無効 (MSW1-5 OFF) "Valid": 常時有効 (MSW1-5 ON) | |

| Key Info | | | | Value Info | | | 備考 |
|----------|-----------|---------|------------------|-----------------------------|----|---|----|
| 1 | 2 | 3 | 4 | 説明 | 属性 | 設定値の一覧、説明 | |
| | Interface | | | インターフェイス関連設定 | | | |
| | | USB | | USB 関連機能 (GS (E fn=15)) | | | |
| | | | NetworkTethering | ネットワークテザリング機能の有効 / 無効を設定する。 | RW | Disable: 無効 iOS: iOS 向けの設定 Android: Android 向けの設定 Windows: Windows 向けの設定 | |
| | | USB2LAN | | | | | |
| | | | Active | USB2LAN の有効無効 | | "OFF": USB2LAN 無効 "ON": USB2LAN 有効 | |
| | Print | | | 印刷関連設定 | | | |
| | | Density | | 印字濃度 (GS (E fn=5 a=5)) | RW | "DIPSW": ディップスイッチの設定に従う | |
| | | | | | | "70%": 70% | |
| | | | | | | "75%": 75% | |
| | | | | | | "80%": 80% | |
| | | | | | | "85%": 85% | |
| | | | | | | "90%": 90% | |
| | | | | | | "95%": 95% | |
| | | | | | | "100%": 100% | |
| | | | | | | "105%": 105% | |
| | | | | | | "110%": 110% | |
| | | | | | | "115%": 115% | |
| | | | | | | "120%": 120% | |
| | | | | | | "125%": 125% | |
| | | | | | | "130%": 130% | |

| Key Info | | | | Value Info | | | 備考 |
|----------|---|---------------------|-------------------------------|------------|----|---|---|
| 1 | 2 | 3 | 4 | 説明 | 属性 | 設定値の一覧、説明 | |
| | | Speed | 印字速度 (GS (E fn=5 a=6)) | | RW | "Level1": 印字速度レベル 1 "Level2": 印字速度レベル 2 "Level3": 印字速度レベル 3 "Level4": 印字速度レベル 4 "Level5": 印字速度レベル 5 "Level6": 印字速度レベル 6 "Level7": 印字速度レベル 7 "Level8": 印字速度レベル 8 "Level9": 印字速度レベル 9 "Level10": 印字速度レベル 10 "Level11": 印字速度レベル 11 "Level12": 印字速度レベル 12 "Level13": 印字速度レベル 13 "Level14": 印字速度レベル 14 "Level15": 印字速度レベル 15 "Level16": 印字速度レベル 16 "Level17": 印字速度レベル 17 | |
| | | ColumnEmulation | 桁数エミュレーション (GS (E fn=5 a=11)) | | RW | "Standard": 標準桁モード "48/36": 48/36 桁モード "48¥¥/36": 48/36 桁モード (¥ 記号あり) "46/32": 46/32 桁モード "46¥¥/32": 46/32 桁モード (¥ 記号あり、エスケープ文字対応) "42/42": 42 桁モード "42/32": 42/32 桁モード "42¥¥/32": 42/32 桁モード (¥ 記号あり、エスケープ文字対応) "48": 48 桁モード "42": 42 桁モード | "X/Y" は X: 紙幅 80 mm 時の桁数 Y: 紙幅 50 mm 時の桁数 を表す。 |
| | | RollPaperWidth | 用紙幅 (GS (E fn=5 a=3)) | | RW | "58mm": 58 mm "80mm": 80 mm | |
| | | NearEndSetting | NearEnd センサーの有効無効 (MemSW5-6) | | RW | "Disable": 無効、"Enable": 有効 | |
| | | PaperWidthWithGuide | 用紙ガイドをつけたときの紙幅 (MSW6-8) | | RW | "40mm": 40mm/80mm 切り替え "58mm": 58mm/80mm 切り替え | |

| Key Info | | | | Value Info | | | 備考 |
|-------------|-------------|------------------------|----------------------|---|----|--|----|
| 1 | 2 | 3 | 4 | 説明 | 属性 | 設定値の一覧、説明 | |
| | WifiCfg | | | | | | |
| | | Ssid | | SSID 入力値が Ssid_LeNot Supportpec と Ssid_AsciiSpec に従わない場合はエラーになる。 | RW | | |
| | | EncType_Select | | 無線通信データの暗号化方式 | RW | "WPA/WPA2-PSK" "WPA3-SAE(AES)" | |
| | | WpaPsk | | WPA/WPA2-PSK 設定 EncryptionType が "WPA-PSK(AES)" または "WPA2-PSK" の場合に使用する。 | | | |
| | | | Key | 事前共有鍵 | RW | | |
| | | WlanChip | | 無線チップに関する情報 | | | |
| | | | ChipMode_Select | 使用無線チップを示す。 | RW | [選択値] "Built-In": 内蔵チップ使用 "Option unit": Wlan オプションユニット (OTWL-06) 使用 | |
| | TcpIpCfg | | | TCP/IP 設定 | | | |
| | | IpV4 | | IPV4 設定 | | | |
| | | | Acquiring_Select | IP アドレスの取得方法を切り替える。 | RW | "Auto"、"Manual" | |
| | | | Ip | IPV4 アドレス | RW | | |
| | | | Sm | サブネットマスク | RW | | |
| | | | Gw | デフォルトゲートウェイ | RW | | |
| | | | IpAdlessPrint_Select | Acquiring_Select が Auto の場合に、確定した IP アドレスを印刷する機能の有効 / 無効設定 | RW | "Disable": 無効、"Enable": 有効 | |
| Maintenance | | | | | | | |
| | ThermalHead | | | | | | |
| | | NumberOfWarningDot | | Warning 閾値を超えたドット（もうすぐ壊れそうなドット）の数を返す。 | RO | "-1": ドット抜けの検出に失敗した "0": Warning 閾値を超えたドットなし "1" ~ "512": Warning 閾値を超えたドットの数 | |
| | | PositionOfWarningDot | | Warning 閾値を超えたドットの位置 印刷面左端ドットの位置を 1 とし、Warning 閾値を超えた全てのドット位置を返す。 | RO | ""（空文字）：ドット抜けの検出に失敗した。もしくは、Warning 閾値を超えたドットがない。 "16 進文字列": Warning 閾値を超えたドットがある。 | |
| | | NumberOfBrokenDot | | 故障閾値を超えたドット（故障したドット）の数を返す。 | RO | "-1": ドット抜けの検出に失敗した "0": 故障閾値を超えたドットなし "1" ~ "512": 故障閾値を超えたドットの数 | |
| | | PositionOfBrokenDot | | 故障閾値を超えたドットの位置 印刷面左端ドットの位置を 1 とし、故障閾値を超えた全てのドット位置を返す。 | RO | ""（空文字）：ドット抜けの検出に失敗した。もしくは、故障閾値を超えたドットがない。 "16 進文字列": 故障閾値を超えたドットがある。 | |
| | Counter | | | メンテナンスカウンター（積算） | | | |
| | | RollPaper_FeedLines | | 紙送り行数 [行] | RO | "" : ~"": 4byte 10 進数最大値 | |
| | | RollPaper_CutterDrives | | オートカッター駆動回数 [回] | RO | "" : ~"": 4byte 10 進数最大値 | |

jsonString の取得例

```
{
  "PrinterSpec": {
    "Product": {
      "SerialNo": "ABCD000002"
    },
    "Spec": {
      "Language": "KANJI JAPANESE"
    }
  },
  "Setting": {
    "AutoCut": {
      "CutAfterPaperset": "Invalid"
    },
    "Buzzer": {
      "Select": "Valid"
    },
    "Command": {
      "AutoCR": "Invalid"
    },
    "Print": {
      "Density": "100%",
      "Speed": "Level13",
      "ColumnEmulation": "Standard",
      "RollPaperWidth": "80mm",
      "NearEndSetting": "Disable"
    }
  },
  "Maintenance": {
    "ThermalHead": {
      "NumberOfWarningDot": "0",
      "PositionOfWarningDot": "",
      "NumberOfBrokenDot": "0",
      "PositionOfBrokenDot": ""
    },
    "Counter": {
      "RollPaper_FeedLines": "53408",
      "RollPaper_CutterDrives": "5647"
    }
  },
  "FormatName": "TM-Form",
  "Rev": "1"
}
```

対応機種

| Key Info | | | | Value | TM-m30II | TM-m30II-H | TM-L100 | TM-P20II | TM-P80II |
|-------------|-----------|------------------|------------------|---|----------|------------|---------|----------|----------|
| 1 | 2 | 3 | 4 | | | | | | |
| FormatName | | | | "TM-Form" | ✓ | ✓ | ✓ | ✓ | ✓ |
| Rev | | | | "1" | ✓ | ✓ | ✓ | ✓ | ✓ |
| PrinterSpec | | | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Product | | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | SerialNo | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Spec | | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | Language | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | PaperWidth | | "80" | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "58" | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "40" | - | - | ✓ | - | - |
| | | HeadDpi | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| Setting | | | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| | AutoCut | | | | ✓ | ✓ | ✓ | - | ✓ |
| | | CutAfterPaperset | | "Invalid"、"Valid" | ✓ | ✓ | ✓ | - | ✓ |
| | Buzzer | | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | Select | | "Invalid"、"Valid" | ✓ | ✓ | ✓ | - | - |
| | Command | | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | AutoCR | | "Invalid"、"Valid" | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Interface | | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | USB | | | - | - | - | ✓ | ✓ |
| | | | NetworkTethering | "Disable"、"iOS"、"Android"、 "Windows" | - | - | - | - | - |
| | | USB2LAN | | | ✓ | ✓ | ✓ | - | - |
| | | | Active | "OFF"、"ON" | ✓ | ✓ | ✓ | - | - |
| | Print | | | | ✓ | ✓ | ✓ | ✓ | ✓ |

*: Wi-Fi モデルのみ。

| Key Info | | | | Value | TM-m30II | TM-m30II-H | TM-L100 | TM-P20II | TM-P80II |
|----------|---|---------|---|-----------|----------|------------|---------|----------|----------|
| 1 | 2 | 3 | 4 | | | | | | |
| | | Density | | "DIPSW" | - | - | - | - | - |
| | | | | "70%" | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "75%" | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "80%" | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "85%" | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "90%" | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "95%" | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "100%" | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "105%" | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "110%" | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "115%" | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "120%" | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "125%" | ✓ | - | ✓ | ✓ | ✓ |
| | | | | "130%" | ✓ | - | ✓ | ✓ | ✓ |
| | | Speed | | "Level1" | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "Level2" | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "Level3" | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "Level4" | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "Level5" | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "Level6" | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "Level7" | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "Level8" | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "Level9" | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "Level10" | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "Level11" | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | | | "Level12" | ✓ | ✓ | - | ✓ | ✓ |
| | | | | "Level13" | ✓ | ✓ | - | ✓ | ✓ |
| | | | | "Level14" | - | - | - | ✓ | ✓ |
| | | | | "Level15" | - | - | - | ✓ | ✓ |
| | | | | "Level16" | - | - | - | ✓ | ✓ |
| | | | | "Level17" | - | - | - | ✓ | ✓ |

*: Wi-Fi モデルのみ。

| Key Info | | | | Value | TM-m30II | TM-m30II-H | TM-L100 | TM-P20II | TM-P80II |
|-------------|-------------|----------------------|-----------------------|--------------------------|----------|------------|---------|----------|----------|
| 1 | 2 | 3 | 4 | | | | | | |
| | | ColumnEmulation | | "Standard" | ✓ | ✓ | ✓ | - | ✓ |
| | | | | "48/36"、"48¥¥/36" | - | - | - | - | ✓ |
| | | | | "46/32"、"46¥¥/32" | - | - | - | - | ✓ |
| | | | | "42/42" | - | - | - | - | ✓ |
| | | | | "42/32"、"42¥¥/32" | ✓ | ✓ | - | - | ✓ |
| | | | | "48" | - | - | ✓ | - | ✓ |
| | | | | "42" | - | - | ✓ | - | ✓ |
| | | RollPaperWidth | | "58mm" | ✓ | ✓ | - | - | - |
| | | | | "80mm" | ✓ | ✓ | - | - | - |
| | | NearEndSetting | | "Disable"、"Enable" | ✓ | ✓ | - | - | - |
| | | PaperWidthWithGuide | | "40mm" | - | - | ✓ | - | - |
| | | | | "58mm" | - | - | ✓ | - | - |
| | WifiCfg | | | | - | - | - | ✓* | ✓* |
| | | Ssid | | | - | - | - | ✓* | ✓* |
| | | EncType_Select | | "WPA/WPA2-PSK" | - | - | - | ✓* | ✓* |
| | | | | "WPA3-SAE(AES)" | - | - | - | ✓* | ✓* |
| | | WpaPsk | | | - | - | - | ✓* | ✓* |
| | | | Key | | - | - | - | ✓* | ✓* |
| | | WlanChip | | | - | - | - | ✓* | ✓* |
| | | | ChipMode_Select | "Built-In"、"Option unit" | - | - | - | ✓* | ✓* |
| | TcplpCfg | | | | ✓ | ✓ | ✓ | ✓* | ✓* |
| | | IpV4 | | | ✓ | ✓ | ✓ | ✓* | ✓* |
| | | | Acquiring_Select | "Auto"、"Manual" | ✓ | ✓ | ✓ | ✓* | ✓* |
| | | | Ip | | ✓ | ✓ | ✓ | ✓* | ✓* |
| | | | Sm | | ✓ | ✓ | ✓ | ✓* | ✓* |
| | | | Gw | | ✓ | ✓ | ✓ | ✓* | ✓* |
| | | | IpAddlessPrint_Select | "Disable"、"Enable" | ✓ | ✓ | ✓ | ✓* | ✓* |
| Maintenance | | | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| | ThermalHead | | | ""(空文字)、"16 進文字列 " | ✓ | ✓ | ✓ | - | ✓* |
| | | NumberOfWarningDot | | "-1"、"0"、"1" ~ "512" | - | ✓ | - | - | ✓* |
| | | PositionOfWarningDot | | ""(空文字)、"16 進文字列 " | - | ✓ | - | - | ✓* |

*: Wi-Fi モデルのみ。

| Key Info | | | | Value | TM-m30II | TM-m30II-H | TM-L100 | TM-P20II | TM-P80II |
|----------|---------|------------------------|---|----------------------|----------|------------|---------|----------|----------|
| 1 | 2 | 3 | 4 | | | | | | |
| | | NumberOfBrokenDot | | "-1"、"0"、"1" ~ "512" | - | ✓ | - | - | ✓* |
| | | PositionOfBrokenDot | | | - | ✓ | - | - | ✓* |
| | Counter | | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | RollPaper_FeedLines | | "" : ~ "" | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | RollPaper_CutterDrives | | "" : ~ "" | ✓ | ✓ | ✓ | ✓ | ✓ |

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