# LY215TLZ01 21.5-inch vertical ordering machine reserved for POS machine TLZ01)

Product Specification

| | |
|---|---|
| **Product Name** | 21.5-inch vertical ordering machine reserved for POS machine TLZ01) |
| **Model** | LY215TLZ01 |
| **Screen Size** | 21.5 inches |
| **Document Version** | 2026 specifications version |

## Product Image




Product Image

## Product Overview

This specification summarizes the product configuration, detailed parameters, product image, and overall dimensions for selection, quotation, and technical confirmation.

## Key Selling Points and Special Features

| | |
|---|---|
| **Display and Picture Quality** | 21.5-inch high-definition LCD display; 1920×1080; 250 cd/m² brightness; 178° wide viewing angle |
| **Touch and Interaction** | Projected capacitive touch; 10-touch; response time < 5.5 ms; effective recognition > 1.5mm; tempered glass |
| **Performance and System** | CPU: Intel Corei3-3110M processor with 2.4GHz frequency; 4G+128G; Android system |
| **Identification, Payment and Printing** | 1D/QR code scanning; receipt/bill printing; IC/NFC card reading; ID document recognition |
| **Connectivity and Expansion** | Support USB interface, RS232, 4G and other interfaces |
| **Structure and Reliability** | Sheet metal structure; tempered glass panel; wide temperature working design; humidity adaptation design; vertical installation |
| **Applications** | Order food |

## Complete Configuration

| No. | Item | Specification | Unit |
|---|---|---|---|
| 1 | LCD screen | 21.5 inches 1920*1080 | PCS |
| 2 | touchscreen | 21.5-inch capacitive touch | PCS |
| 3 | motherboard | I3/3rd generation | PCS |
| 4 | store | 4G+128G | PCS |
| 5 | QR code | one and two dimensional | PCS |
| 6 | printer | 80MM | PCS |
| 7 | IC card/NFC | R20C | PCS |
| 8 | ID card reader | Second generation ID card | PCS |
| 9 | vertical housing | sheet metal | PCS |
| 10 | other | Consumables | PCS |

## Detailed Parameters

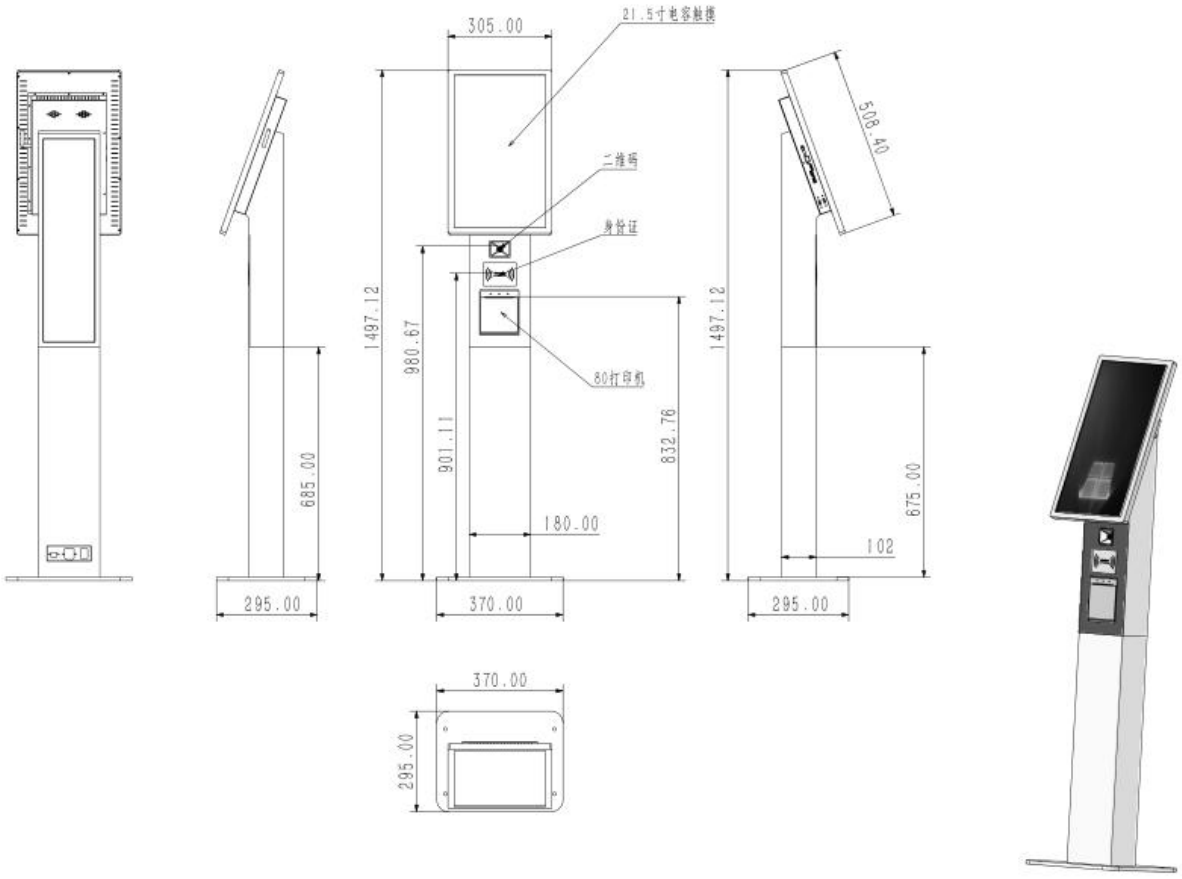
| No. | Item | Specification |
|---|---|---|
| 1 | LCD screen | LG BOE LCD screen A gauge Rated power: 10W*2 Peak power: 15W*2 Brightness ≥ 250 cd/m2 Response time < 5.5 ms Refresh frequency 60Hz Total number of colors 16.7M (8-bit 2 (LVDS) channel low-voltage differential signal) Viewing angle Horizontal ≥ 178 degrees Vertical ≥ 178 degrees Lifespan > 50,000 hours |
| 2 | touchscreen | Projected capacitive technology (capacitive touch screen) response time < 5ms touch points standard 10 touch, can achieve multi-touch functions such as enlargement and reduction of pictures touch recognition > 1.5mm scanning frequency 200Hz Scanning accuracy 4096 × 4096 Communication method Full-speed USB 2.0, 3.0 More than 50 million theoretical clicks Operating Current/Voltage 180Ma/DC +5V ± 5% Anti-light interference Normal use when there is a change in bright light such as sunlight, incandescent lamps, fluorescent lamps, etc. Touch data output mode coordinate output Surface hardness: Physical tempering, Mohs level 7 explosion-proof glass |
| 3 | motherboard | CPU: Intel Corei3-3110M processor clocked at 2.4GHz Memory: DDR3 4G Hard drive: Solid state drive, 128G |
| 4 | QR code | High-speed scanning, fast mobile scanning, clear dot-like quasi-system, compatible with one-dimensional and two-dimensional codes, supports scanning code payment business; supported media types: supports |

| No. | Item | Specification |
| --- | --- | --- |
| | | reading barcode information on various media such as paper, LCD, mobile phone screens, etc.; reading angle: two-dimensional barcode 360 Read QR codes in any direction; readable bar width <= 4MIL; reading width 5-30CM; decoding ability: decode one-dimensional barcodes, stacked/lined 2D barcodes and matrix 2D barcodes; support commonly used PDF417 2D barcodes, Datamatrix 2D barcodes, Code, Code and other code systems; decoding time is less than 2 seconds; light is illuminated diagonally downwards |
| 5 | 80 printer | Method Line thermal printing Paper width 80mm Paper speed 250 mm/s (max) Dot density 8 dots/mm Number of printing dots 576dots/line Printing width 72mm (max) Paper feeding method Easy paper loading Printing length 100KM Cutter Paper cutting method Sliding type Paper cutting conditions Half cutting, full cutting Paper cutting thickness 60 - 120 um Cutter life 1000,000 times Paper near end or last paper detection sensor Reflective photoelectric transmission |
| 6 | IC card/NFC | Supported cards: MF\S50\S70, CPU<br>Operating system: Windows 98\XP\2000\CE\7\ME\NT\LIUNX, Android<br>Card reading distance: 0~80MM<br>Card reading time: <100MS<br>Card reading speed: 0.2S<br>Card reading distance: 0.5S<br>Communication interface: USB interface<br>Size: 104MM×68MM×10MM<br>Power extraction method: USB power extraction<br>Weight: 140G<br>Working environment: temperature (-20℃~85℃) humidity (5%~95%)<br>Working voltage: 5V |

| No. | Item | Specification |
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| | | Working current: 100mA<br>Indicator light: LED indicator light<br>Built-in speaker: buzzer, can control LED and buzzer<br>Output format: 10-digit decimal |
| 7 | ID card reader | Working frequency: usually 13.56MHz, which is the international standard RFID frequency used for wireless communication with ID card chips.<br>Modulation method: Common ones are ASK (amplitude keying) and PSK (phase shift keying). Some devices support multiple modulation methods to be compatible with different standards.<br>Card reading distance: Generally 0-5cm, some high-end models can reach 3-5cm. The specific distance depends on the device design and the sensitivity of the ID card chip.<br>Card reading response time: Card reading and information decoding are usually completed within 1-2 seconds, and some high-speed models can reach within 0.5 seconds.<br>Supported standards: Complies with ISO/IEC 14443 Type B standard, and some devices also support Type A standard to be compatible with more types of RFID cards.<br>Interface type: Common ones include USB interface, RS232 serial port, Wiegand interface, etc. USB interface is the most common and supports plug and play.<br>Power supply: Most use USB power supply, some portable devices support battery power supply, the voltage is generally DC 5V.<br>Working temperature: Generally 0℃-50℃, some industrial-grade equipment can support a wide temperature range of -20℃-70℃.<br>Humidity requirements: Relative humidity is usually 20%-90% (non- |

| No. | Item | Specification |
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| | | condensation), and some equipment can work normally in high humidity environments.<br>Size and weight: The size of desktop card readers is generally around 100mm×100mm×30mm, and the weight is between 100-500 grams; portable card readers are smaller in size and lighter in weight.<br>Security module: Built-in security control module (SAM) authorized by the Ministry of Public Security, used to decrypt the information in the ID card chip to ensure data security.<br>Decoding method: It can be divided into two types: cloud service decoding and local decoding. Cloud service decoding requires Internet access, and local decoding can be decoded directly through the built-in SAM module. |

## Overall Dimensions




Overall Dimension Reference