



SP319 and SP419

Compact mobile Bluetooth printer



SP319 (3-inch)



SP419 (4-inch)

The SP319 and SP419 are Unitech's compact-sized Bluetooth® mobile printers. Designed specifically for mobile users, these affordable printers are compact and lightweight to wear comfortably for an entire shift.

The Unitech mobile printers provide seamless integration with your existing Unitech mobile solutions, a perfect fit for mobile workers allowing them to extend their applications and efficiency even further.

For price-conscious buyers who are looking for a 3" or 4" label and receipt printer, the Unitech SP319 and/or SP419 are a great choice.

Adjustable paper width printing

The SP319 and SP419 deliver competitive advantage for labels and receipts printing by supporting different widths of media rolls. You can adjust the slides to fit the paper width easily.



Accessories:
USB power adapter, 2600mAh/1500mAh battery and USB-C data cable.



Connectivity:
USB charging and USB-C data connection.



Scalable:
Adjustable paper width, supporting different media rolls.

Receipt and label printing

The Unitech mobile printers are ideal for retail and mPOS applications, such as retail shelf-edge labelling, price labelling, return labelling and re-labelling. To support the requirements of mobile printing for the transportation, field service and warehouse markets, the Unitech SP419 is a perfect match as it supports printing format labels and receipts up to 4" width.

In order for labels to move accurately and smoothly through a label printer, the Unitech printer supports gap-detection (between the labels) & black mark detection (on the back of continuous media).

Low energy consumption

The Unitech mobile printers are the ideal smart-device companions as they connect seamlessly via USB-C and to low energy Bluetooth® (Bluetooth® version 4.2) - reducing its power consumption.

The rechargeable 2600mAh Li-ion battery and a highly optimized power management scheme optimize the battery run time - providing long operating hours of an entire shift without disruptions.

Main features

- Unitech 3" and 4" mobile printer
- Adjustable printer roll slot - adjust the width of receipts printed
- Supports label and thermal paper
- Supports gap-detection & black mark detection
- Clear quality print - supports up to 203dpi resolution
- Supports USB-C and low energy Bluetooth® 4.2
- Fast charging battery - charging time 2.5 hours
- Compatible with Windows, Android and iOS mobile devices
- Supports ESC/POS and is CPCL compatible



SP319

Specifications



SP419

Specifications

Printer Specifications

| | |
|-----------------------|---|
| Printer mode | Direct thermal |
| Max. printer width | 3" / 72mm |
| max. printer speed | 70mm per second |
| Resolution | 203dpi (8 dots / mm) |
| Printer core live | 150km (25% print density or the following) / Each point: 1.5 million pulses |
| Programming languages | ESC/POS CPCL (compatibility) |

System support

| | |
|-------------------|---|
| Windows CE/Mobile | Supports Microsoft standard SDK, API interface invocation (CE5.0 or above Mobile5.0 or above) |
| Android | Supports Google standard SDK, API interface invocation (2.0 or above) |
| iOS | Supports iOS system & supply iOS SDK |

Display and indicator

| | |
|-----------------------|---|
| Display: | OLED Screen |
| Message: | Printing status, out of paper, cover open, low battery, charging complete, communication mode and configuration mode. |
| Black Mark detection: | Supports left mark & right mark detection |
| Label detection: | Supports label detection |

Printable content

| | |
|-------------|--|
| 1D barcode: | CodaBar, Code39, Code128, Code93, ITF, EAN-8, EAN-13, UPC-A, UPC-E |
| 2D barcode: | QRCode, PDF417, DataMatrix |

Supporting fonts:
English, Russian, Turkish, Arabic (optional), Chinese, Japanese, Korean and other multi-language characters, numbers, graphics, curves, pre-storage icon.

Media specifications

| | |
|----------------------|---|
| Media width | 42mm-80mm (between any print width) |
| Max. media roll size | ≤50mm |
| Media thickness | 1.97 ~ 7.09mil |
| Media type | Labels, Thermal paper |
| Print code | GBK, BIG5, Unicode (UTF8) |
| Code page | ASCII font (8X16, 12X24, 16*32), GBK (16X16, 24X24, 32*32), BIG5 (16X16, 32X32) |

Communication

| | |
|-----------|--|
| USB | Type-C |
| Bluetooth | Bluetooth 2.1+4.2(BLE) supports multi-device connection. |

Enclosure

| | |
|-----------|---------------------|
| Weight | 345g (with battery) |
| Dimension | 109 x 107 x 55 mm |

Power Source

| | |
|-----------------------|---|
| Main battery (ZBL261) | 19.76Wh (2600mAh) 7.4V rechargeable Li-iON |
| Charging time | 2.5 hours |
| Standby time | 180-200 hours |
| Power saving mode | Auto sleep, auto wake-up |

Environmental

| | |
|-----------------------------|---------------|
| Operating temperature | 5°C ~ 40°C |
| Operating relative humidity | 20% ~ 85% |
| Storage temperature | -20°C to 70°C |
| Storage relative humidity | 5% ~ 95% |

Certificates

CE, RED, RoHS, BQB

Warranty

Main printer unit 1 year
Printerhead 6 months

Printer Specifications

| | |
|-----------------------|---|
| Printer mode | Direct thermal |
| Max. printer width | 4" / 104mm |
| max. printer speed | 55mm per second |
| Resolution | 203dpi (8 dots / mm) |
| Printer core live | 150km (25% print density or the following) / Each point: 1.5 million pulses |
| Programming languages | ESC/POS CPCL (compatibility) |

System support

| | |
|-------------------|---|
| Windows CE/Mobile | Supports Microsoft standard SDK, API interface invocation (CE5.0 or above Mobile5.0 or above) |
| Android | Supports Google standard SDK, API interface invocation (2.0 or above) |
| iOS | Supports iOS system & supply iOS SDK |

Display and indicator

| | |
|-----------------------|---|
| Display: | OLED Screen |
| Message: | Printing status, out of paper, cover open, low battery, charging complete, communication mode and configuration mode. |
| Black Mark detection: | Supports left mark & right mark detection |
| Label detection: | Supports label detection |

Printable content

| | |
|-------------|--|
| 1D barcode: | CodaBar, Code39, Code128, Code93, ITF, EAN-8, EAN-13, UPC-A, UPC-E |
| 2D barcode: | QRCode, PDF417, DataMatrix |

Supporting fonts:
English, Russian, Turkish, Arabic (optional), Chinese, Japanese, Korean and other multi-language characters, numbers, graphics and curves.

Media specifications

| | |
|----------------------|---|
| Media width | 46mm-110mm (between any print width) |
| Max. media roll size | ≤56mm |
| Media thickness | 1.97 ~ 7.09mil |
| Media type | Labels, Thermal paper |
| Print code | GBK, BIG5, Unicode (UTF8) |
| Code page | ASCII font (8X16, 12X24, 16*32), GBK (16X16, 24X24, 32*32), BIG5 (16X16, 32X32) |

Communication

| | |
|-----------|--|
| USB | Type-C |
| Bluetooth | Bluetooth 2.1+4.2(BLE) supports multi-device connection. |

Enclosure

| | |
|-----------|---------------------|
| Weight | 550g (with battery) |
| Dimension | 168 x 113 x 68 mm |

Power Source

| | |
|-----------------------|---|
| Main battery (ZBL262) | 19.76Wh (2600mAh) 7.4V rechargeable Li-iON |
| Charging time | 2.5 hours |
| Standby time | 100-120 hours |
| Power saving mode | Auto sleep, auto wake-up |

Environmental

| | |
|-----------------------------|---------------|
| Operating temperature | 5°C ~ 40°C |
| Operating relative humidity | 20% ~ 85% |
| Storage temperature | -20°C to 70°C |
| Storage relative humidity | 5% ~ 95% |

Certificates

CE, RED, RoHS, BQB

Warranty

Main printer unit 1 year
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