



ZS3678-SR2F263VZK

Zx36

MOBILE HANDHELD SCANNERS

SICK
Sensor Intelligence.



Ordering information

| Type | part no. |
|-------------------|----------|
| ZS3678-SR2F263VZK | 6080545 |

Other models and accessories → www.sick.com/Zx36

Detailed technical data

Features

| | |
|-------------------------|--|
| Application | Industrial application |
| Version | Standard Range (SR) |
| Country approval | Korea, India |
| Scanner design | Wireless variant |
| Light source | LED, Visible, Red, 660 nm Target, laser, Visible, Red, 610 nm |
| Reading distance | 30 mm ... 1,520 mm |
| Code resolution | ≥ 0.13 mm ¹⁾ ≥ 0.19 mm ²⁾ |

¹⁾ Valid for Code 128.

²⁾ Valid for Data Matrix code.

Mechanics/electronics

| | |
|-------------------------------|---|
| Supply voltage | 5 V DC, ± 10 %, Via host 12 V DC, ± 5 %, External supply |
| Housing color | Blue, black |
| Enclosure rating | IP65 IP68 |
| Weight | 407 g, incl. rechargeable battery |
| Dimensions (L x W x H) | 132 mm x 77 mm x 185 mm |

Performance

| | |
|---------------------------------|---|
| Readable code structures | 1D codes, 2D codes, Stacked, Digimarc® |
| Bar code types | Code 39, Code 39 Trioptic, Code 32, Code 93, Code 11, Codabar, Code 128, GS1-128 / EAN 128, UPC / EAN / JAN (with addition), MSI/Plessey, Interleaved 2 of 5, Standard and Industrial 2 of 5, Matrix 2 of 5, GS1 DataBar, Australian Post, US Planet, US Postnet, British Post, Japan Post, Dutch KIX Post, OCR symbologies |
| Code alignment | Omni-directional |
| Battery power | 3,100 mAh, over 100,000 scans with full battery |
| Code buffer | 9,000 Codes (EAN, for scanning in batch mode) |

Interfaces

| | | |
|-------------------------------|------------------------------|---|
| Ethernet | | ✓ , TCP/IP |
| | Type of fieldbus integration | Optional over external fieldbus module CDF600-2 |
| PROFINET | | ✓ |
| | Type of fieldbus integration | Optional over external fieldbus module CDF600-2 |
| | Function | PROFINET Single Port, PROFINET Dual Port |
| EtherCAT® | | ✓ |
| | Type of fieldbus integration | Optional over external fieldbus module CDF600-2 |
| Serial | | ✓ , RS-232 TTL |
| PROFIBUS DP | | ✓ |
| | Type of fieldbus integration | Optional over external fieldbus module CDF600-2 |
| USB | | ✓ |
| | Function | Keyboard wedge, COM-Port emulation |
| Bluetooth | | ✓ |
| | Remark | Bluetooth™ V4.0, 2.402 ... 2.4830 GHz |
| | Function | Wireless operating range up to 100 m (free view), batch function for expansion of the wireless radius, up to seven scanners communicate with one base station |
| | Data transmission rate | ≤ 3 Mbit/s |
| Optical indicators | | 3 LEDs (operational status, good read, radio connection status) |
| Acoustic indicators | | Beeper, can be switched off |
| Vibration | | Yes |
| Configuration software | | Z-Up Tool |

Ambient data

| | |
|--------------------------------------|---|
| Shock resistance | Multiple falls Onto concrete from a height of 3 m |
| Ambient operating temperature | -20 °C ... +50 °C |
| Storage temperature | -40 °C ... +70 °C |
| Permissible relative humidity | 95 %, Non-condensing |
| Ambient light immunity | 108,000 lx |

General notes

| | |
|-----------------------|--|
| Items supplied | The rechargeable battery is included with delivery |
| Note | Not free of paint wetting impairment substances. |

Certificates

| | |
|-----------------------------------|---|
| UN38.3 Test Summary Report | ✓ |
|-----------------------------------|---|

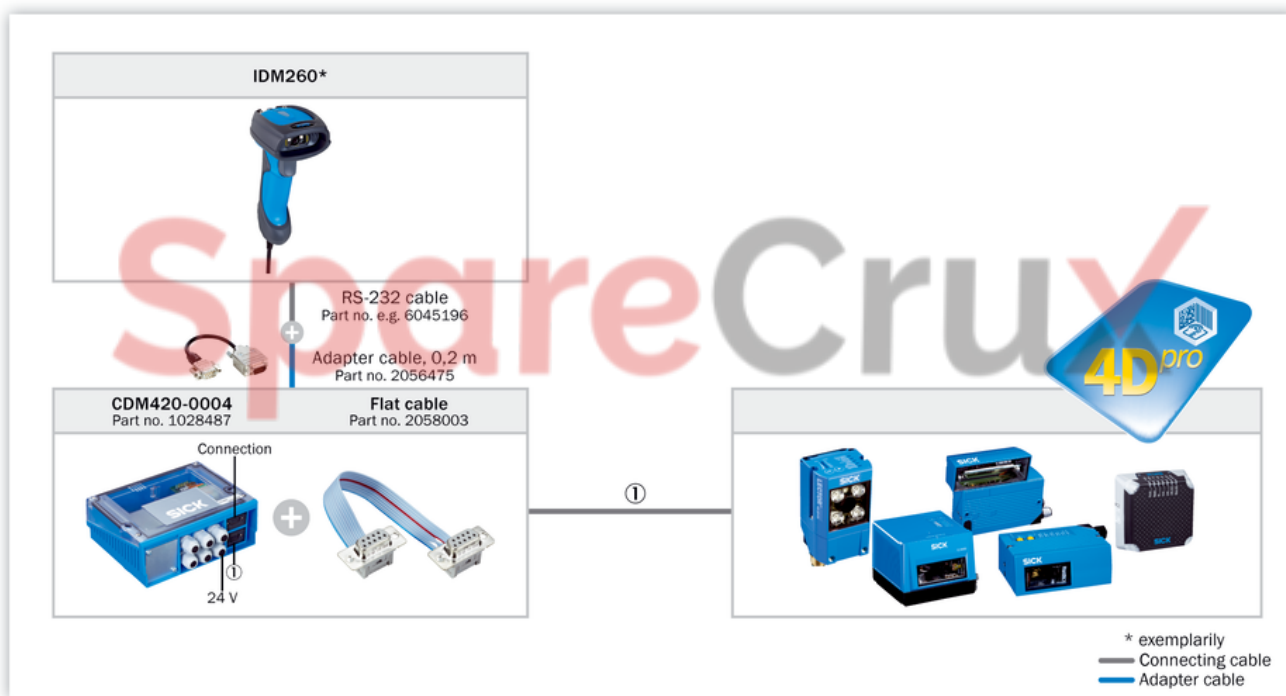
Classifications

| | |
|---------------------|----------|
| ECLASS 5.0 | 27280101 |
| ECLASS 5.1.4 | 27280101 |
| ECLASS 6.0 | 27280101 |
| ECLASS 6.2 | 27280101 |
| ECLASS 7.0 | 27280101 |
| ECLASS 8.0 | 27280101 |
| ECLASS 8.1 | 27280101 |

| | |
|-----------------------|----------|
| ECLASS 9.0 | 27280101 |
| ECLASS 10.0 | 27280101 |
| ECLASS 11.0 | 27280101 |
| ECLASS 12.0 | 27280101 |
| ETIM 5.0 | EC002550 |
| ETIM 6.0 | EC002550 |
| ETIM 7.0 | EC002550 |
| ETIM 8.0 | EC002550 |
| UNSPSC 16.0901 | 43211701 |

Connection diagram AUX looping

Looping-in via AUX



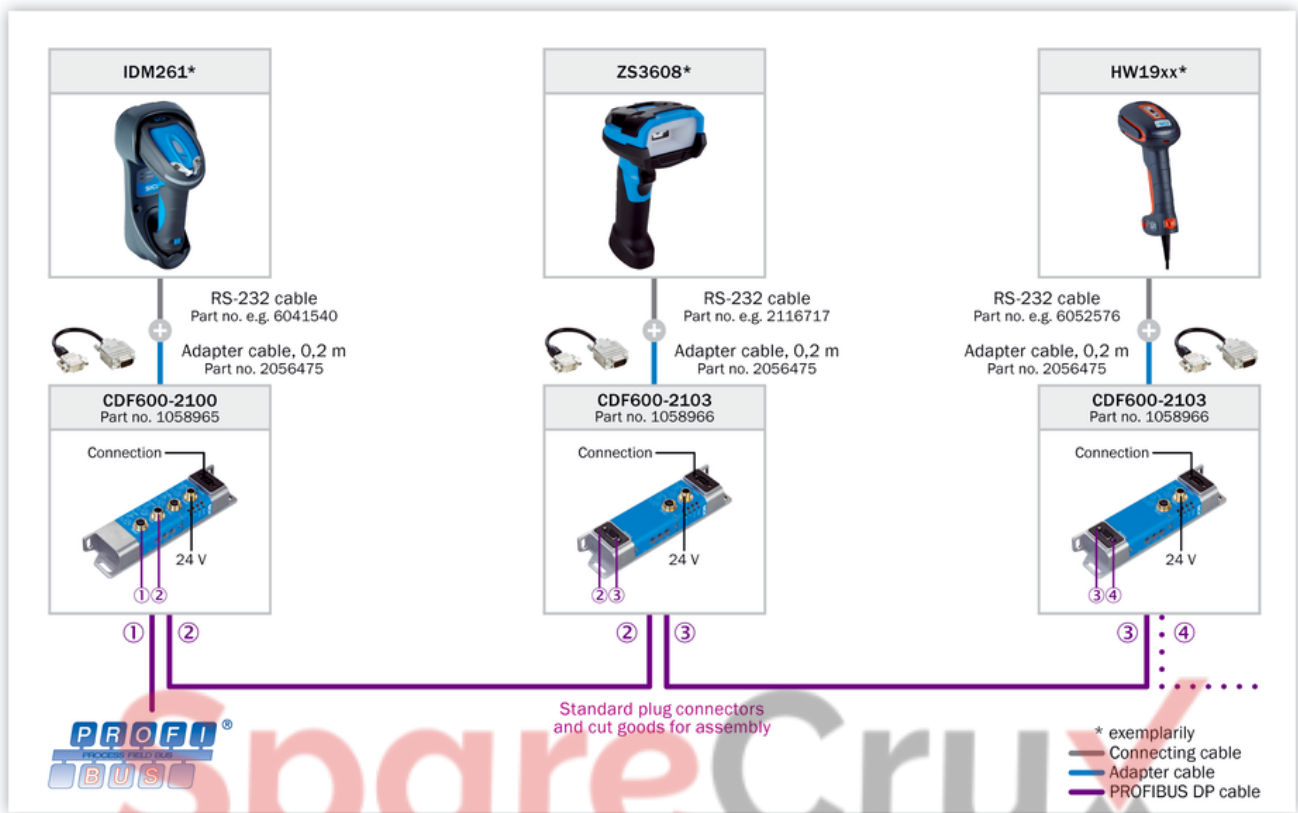
Connection diagram EtherCAT[®]

EtherCAT[®]



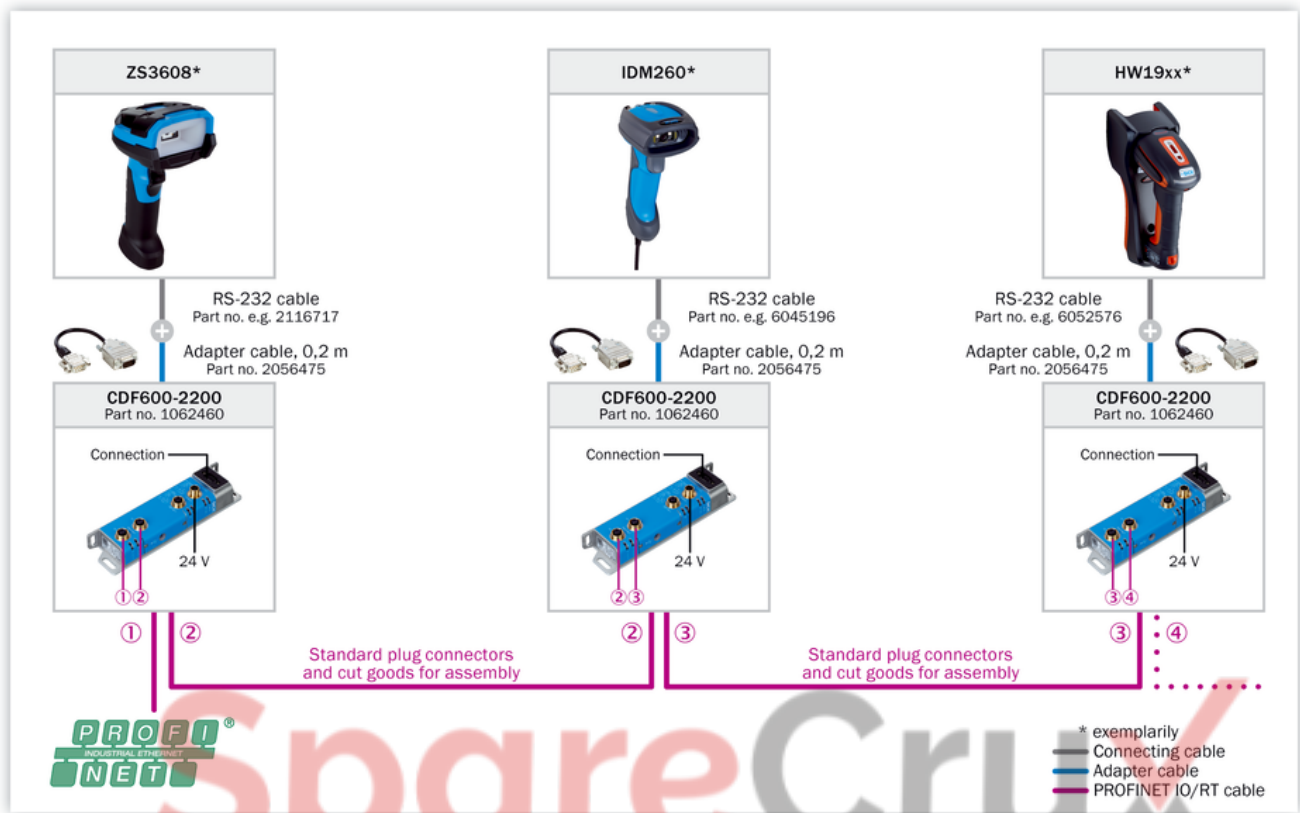
Connection diagram PROFIBUS DP

PROFIBUS DP



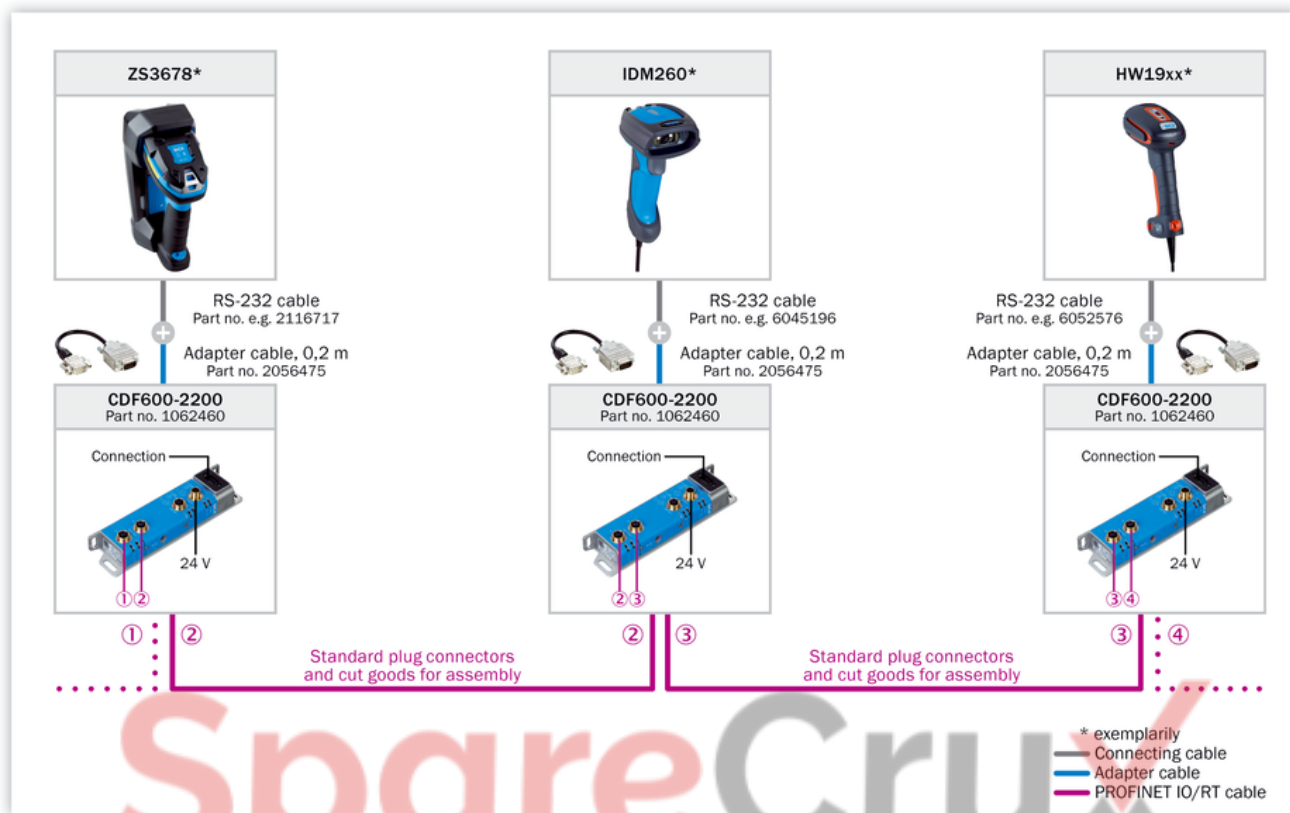
Connection diagram PROFINET IO/RT

PROFINET IO/RT

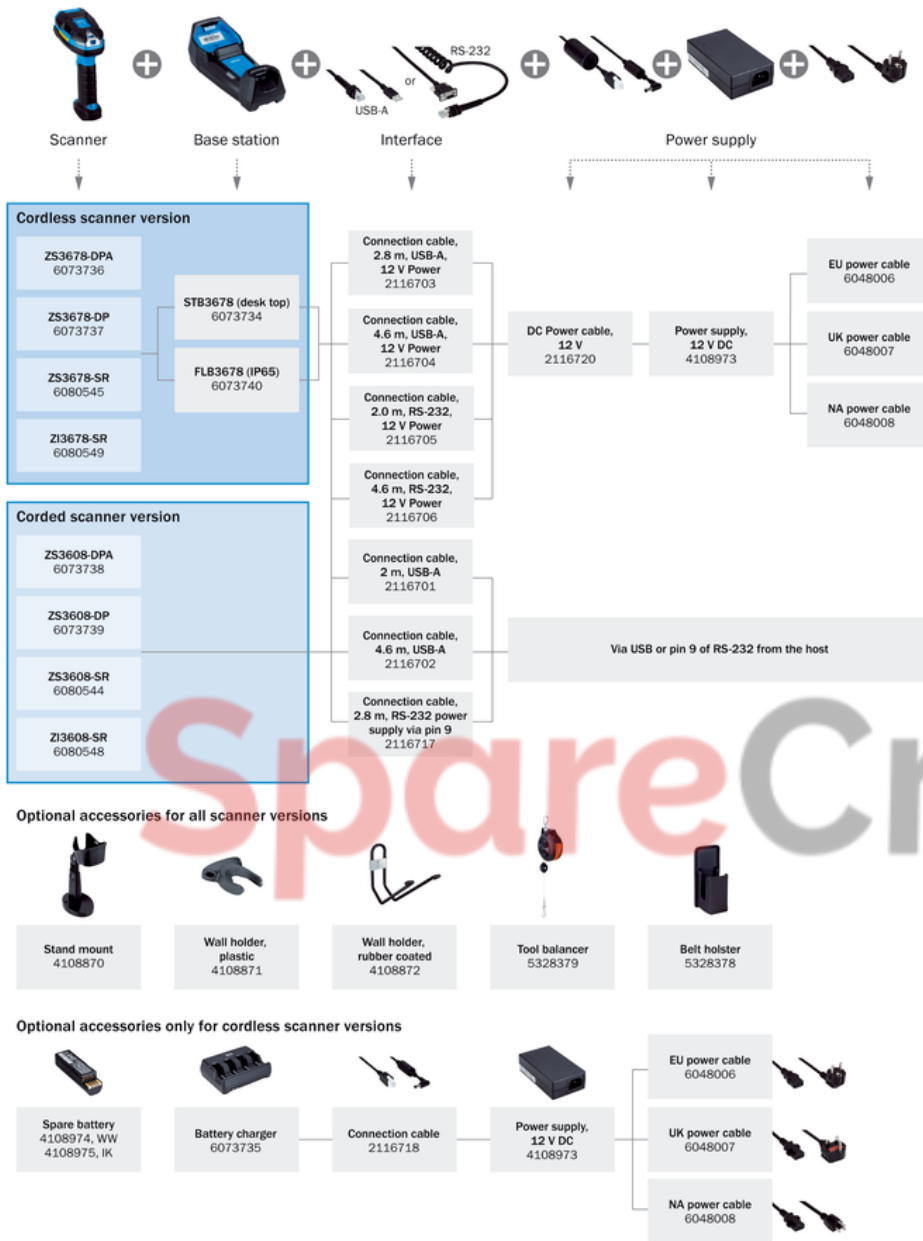


Connection diagram Ethernet TCP/IP

Ethernet TCP/IP



Selection Guide











Selection Guide



*) For EtherNet/IP third party gateway is required from e.g. Control or HMS (requires local sourcing).

Recommended accessories

Other models and accessories → www.sick.com/Zx36

| | Brief description | Type | part no. |
|---|---|--|----------|
| connectors and cables | | | |
|  | <ul style="list-style-type: none"> • Connection type head A: Female connector, D-Sub, 9-pin, straight • Connection type head B: Male connector, RJ45 • Signal type: RS-232 TTL • Cable: 2 m, straightened cable • Description: RS-232 TTL | Connection cable (male connector-female connector) | 2116705 |
|  | <ul style="list-style-type: none"> • Connection type head A: Female connector, D-Sub, 9-pin, straight • Connection type head B: Male connector, RJ45 • Signal type: RS-232 TTL • Cable: 2.8 m, coiled cable • Description: RS-232 TTL | Connection cable (male connector-female connector) | 2116717 |
|  | <ul style="list-style-type: none"> • Connection type head A: Male connector, USB-A • Connection type head B: Male connector, RJ45 • Signal type: USB • Cable: 2 m, straightened cable • Description: USB | Connection cable (male connector-male connector) | 2116701 |
|  | <ul style="list-style-type: none"> • Connection type head A: Male connector, USB-A • Connection type head B: Male connector, RJ45 • Signal type: USB • Cable: 2.8 m, straightened cable • Description: USB | Connection cable (male connector-male connector) | 2116703 |
| Power supply units and power supply cables | | | |
|  | <ul style="list-style-type: none"> • Description: AC power cable with EU male connector | Power cable | 6048006 |
|  | <ul style="list-style-type: none"> • Output voltage: 12 V DC • Output current: 4.16 A • Description: DC cable for power supply (#6074455, Zebra PWRBGA12V50W0WW) for use with ZS36xx (Zebra CBL-DC-451A1-01) | Power cable | 2116720 |
|  | <ul style="list-style-type: none"> • Input voltage: 100 V AC ... 240 V AC • Output voltage: 12 V DC • Output current: 4.16 A • Description: Power supply for ZS36xx, battery charger, EA 3600 module (Zebra PWRBGA12V50W0WW), requires DC and AC line | Power supply unit | 4108973 |
| rechargeable batteries and base stations | | | |
|  | <ul style="list-style-type: none"> • Description: Charging and WPAN receiver station for ZS36xx, desk top (Zebra STB3678-C126F3WW), may require power supply unit (part number 4108973, Zebra PWRBGA12V50W0WW), DC cable (part number 2116720, Zebra CBL-DC-451A1-01) and AC cable | STB3678 base station | 6073734 |

SICK AT A GLANCE

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We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

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